

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(Other instructions on
reverse side)

3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. Lease Designation and Serial No. -----
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name -----
2. Name of Operator <u>Burton/Hawks, Inc.</u>		7. Unit Agreement Name -----
3. Address of Operator <u>P.O. Box 359 - Casper, WY 82602</u>		8. Farm or Lease Name <u>Aagard</u>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 806' FSL/882' FEL (SE SE) ✓ At proposed prod. zone 660' FSL/660' FEL		9. Well No. <u>#20-1</u>
14. Distance in miles and direction from nearest town or post office* <u>18 miles east of Coalville.</u>		10. Field and Pool, or Wildcat <u>Wildcat AAGARD</u>
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 806'		11. Sec., T., R., M., or Blk. and Survey or Area <u>Sec. 20 T3N R8E</u>
16. No. of acres in lease 1240.05		12. County or Parrish 13. State <u>Summit Utah</u>
17. No. of acres assigned to this well 40		
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. N.A.		20. Rotary or cable tools <u>Rotary</u>
19. Proposed depth 6500' <i>felvin</i>		22. Approx. date work will start* <u>10/1/83</u>
21. Elevations (Show whether DF, RT, GR, etc.) <u>7095' GR</u>		

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	37.7#	1000'	to surface
8 3/4"	7"	17.0#	6500'	600 sx

- 1) Drill a 12 1/4" hole to 1000'. Set 9 5/8" csg, cmt to surface.
- 2) Drill an 8 3/4" hole to 6500'.
- 3) In event of production, set 7" csg, cmt w/600 sx.

Bond Coverage #4466633 ✓

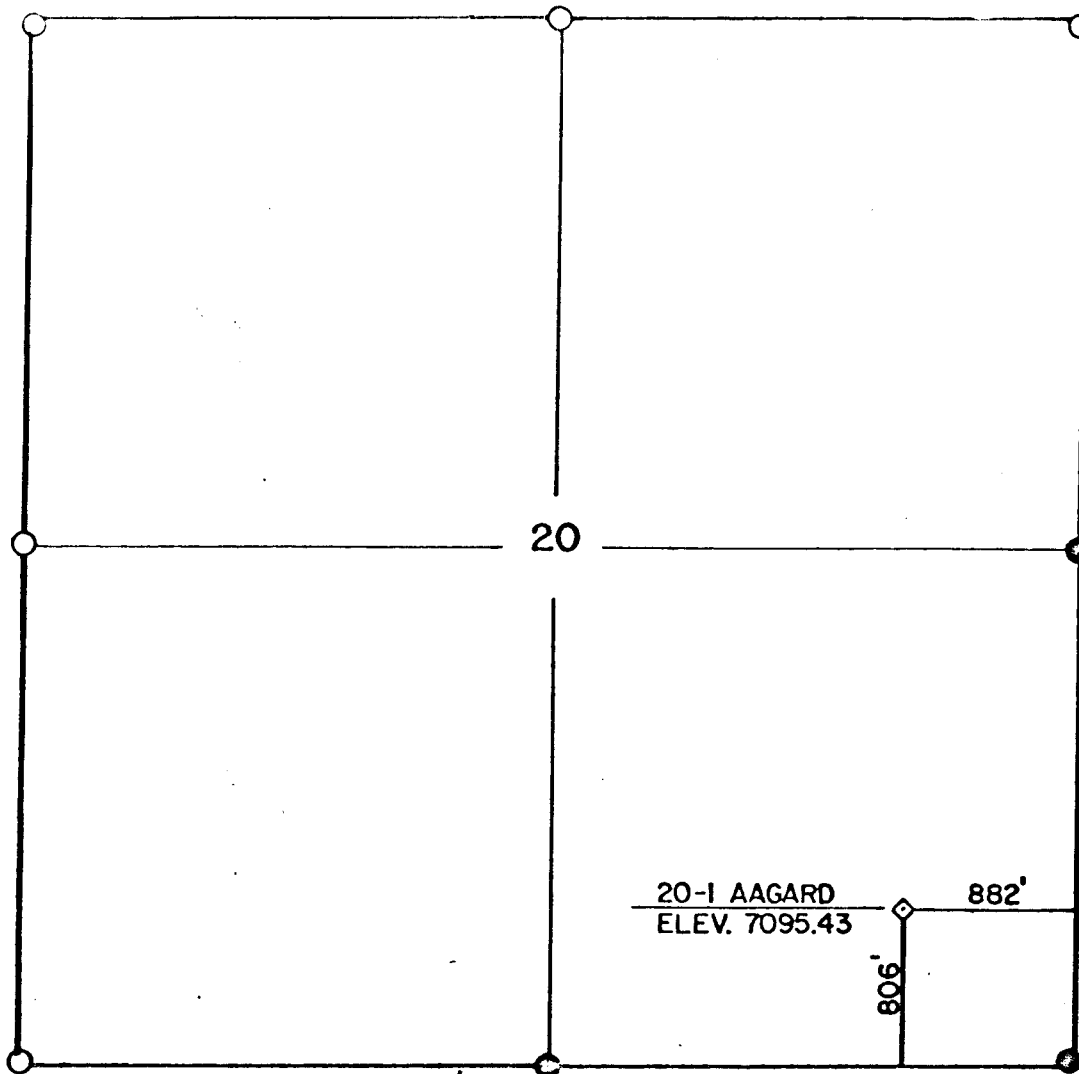
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed William M. O'Keefe Title Field Representative Date 9/14/83
 (This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

R. 8 E



SCALE 1"=1000'

R.P. 200' NORTH
ELEV. 7091.13
R.P. 200' EAST
ELEV. 7070.84
R.P. 200' SOUTH
ELEV. 7096.03
R.P. 200' WEST
ELEV. 7106.41

CERTIFICATE OF SURVEYOR

STATE OF UTAH
COUNTY OF SUMMIT

} SS

I, Dick R. Griffin of Rock Springs, Wyoming, hereby certify that this map was made from notes taken during an actual survey under my direct supervision on August 30, 1983, and that it shows correctly the location of 20-1 AAGARD


UTAH RLS 5120

NOTE

- FOUND CORNER
- PROPORTIONED CORNER
- ◇ WELL LOCATION

DIVISION OF
GAS & MINING

JOB NO. 836

PLAT OF DRILLING LOCATION

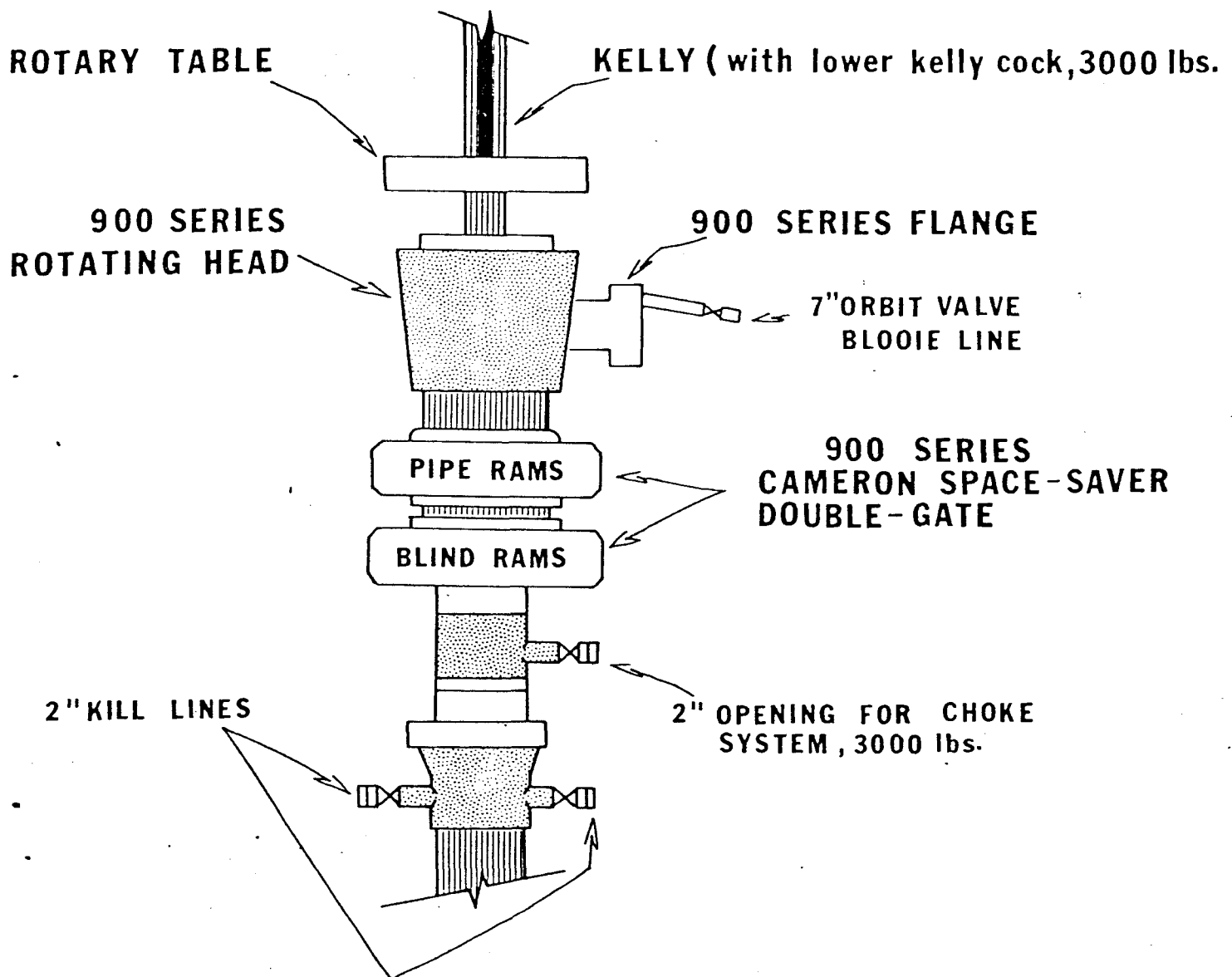
BURTON-HAWKS
20-1 AAGARD

SE 1/4, SEC. 20, T3 N, R8 E, G.M.E.
SUMMIT COUNTY, UTAH

Prepared by:

D.R. GRIFFIN & ASSOCIATES
P.O. BOX 1059 (307) 362-5028
ROCK SPRINGS, WYOMING 82901

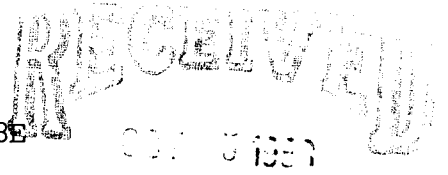
BOP STACK



NOT TO SCALE

BURTON/HAWKS, INC.
10 POINT PROGRAM

#20-1 Aagard SE SE Sec. 20 T3N R8E
Permit #43-043-30242



DIVISION OF
OIL, GAS & MINING

1. GEOLOGIC NAME OF SURFACE FORMATION:

Tertiary

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Echo Canyon	1400'
Wanship	2200'
Unconformity Kelvin	3300'
Basal Kelvin	4300'
Fault	4500'
Basal Kelvin	5500'
Fault	5700'
Basal Kelvin	6300'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR OTHER MINERAL BEARING FMS:

Basal Kelvin Fm	4300'	- oil bearing
"	5500'	"
"	6300'	"

4. CASING PROGRAM:

- 1) Drill a 12 $\frac{1}{4}$ " hole to 1000'. Set 9 5/8" csg, cmt to surface.
- 2) Drill an 8 3/4" hole to 6500'.
- 3) In event of production, set 7" csg, cmt w/600 sx.

5. BOP PROGRAM: (See attached Figure 3)

- A. 1 - 11", 5000# Schaffer Double Gate
- B. Choke System
- C. BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing and will be checked daily as to mechanical operating condition.

6. DRILLING FLUID:

Hole will be mud drilled with low solid non-dispersed drilling mud.

7. AUXILIARY EQUIPMENT:

- A. Power Swivel
- B. Kelly Cock
- C. Drill Pipe Float
- D. A sub on the floor with a full opening valve to be stabbed into drill pipe.

8. TESTING, LOGGING, OR CORING:

- A. No open hole tests will be run.
- B. Dual Induction Laterolog, CNL Density
- C. Fracturing or other treatment program information not know at present. A program will be submitted prior to operation for approval.

9. ABNORMAL PRESSURE OR TEMPERATURE:

No abnormal pressures or temperatures are anticipated based on information from other drilled holes in the area.

10. STARTING DATE:

October 5, 1983

Yours very truly

BURTON/HAWKS, INC.

William M. O'Keefe

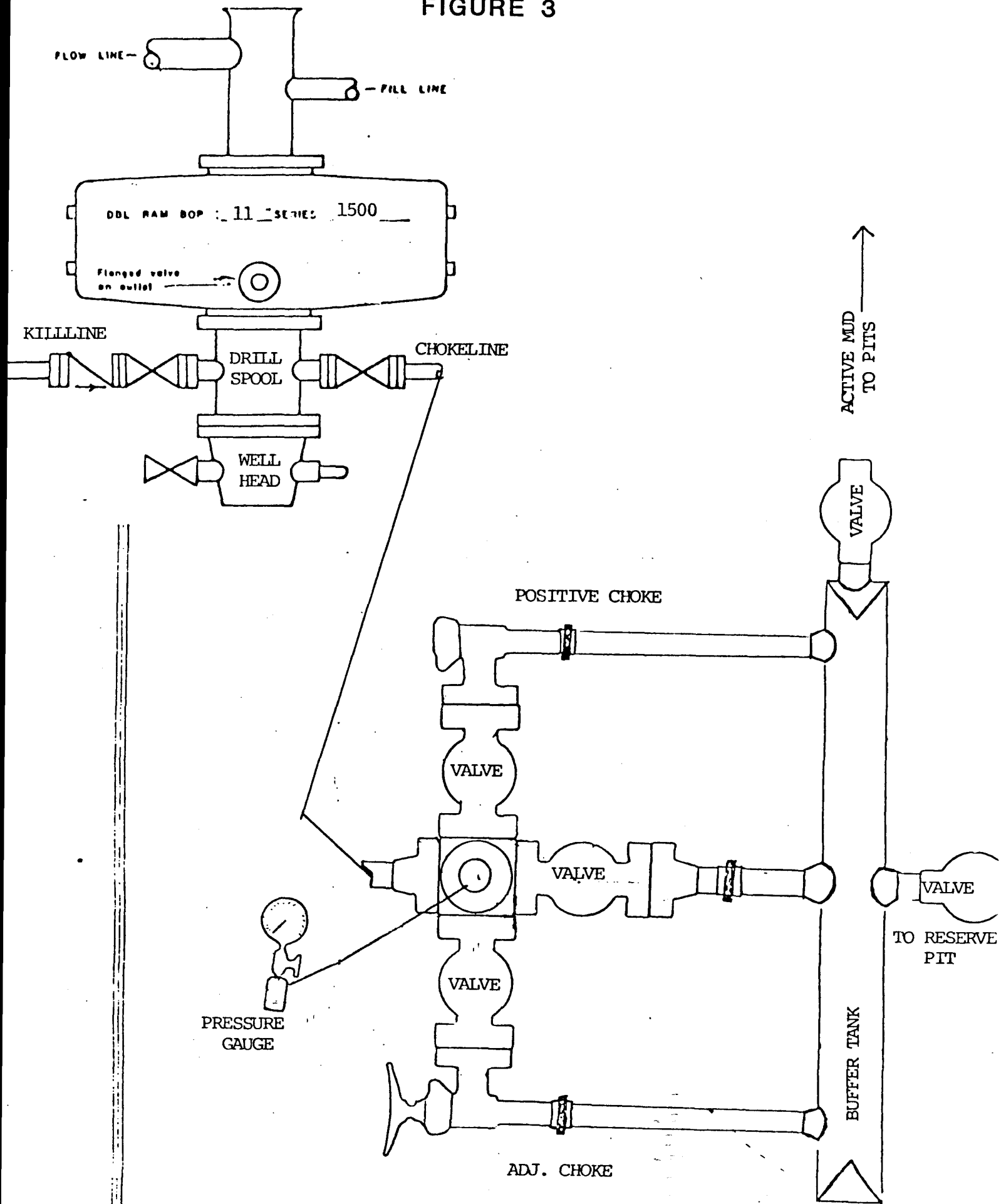
William M. O'Keefe
Field Representative

WMO/sf

Attachment: Figure 3 (BOP Stack Diagram)

HARPEL DRILLING COMPANY
BOF AND CHOKE MANIFOLD SCHEMATIC
RIG NO.'S 3, 4, & 5

FIGURE 3



Nutech Drilling Company, Inc.

OPERATOR

Barton / Hawks, Inc

DATE

9-21-83

WELL NAME

Agard #20-1

SEC

SESE 20

T

3N

R

8E

COUNTY

Summit

43 043-30242

API NUMBER

Free

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

✓ NO OIL WELLS WITHIN 1000'

✓ DIRECTIONAL DRILLING

Received bond on 12/12/83 Nutech

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9-22-83

BY: [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

9/23/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

1- Water

2 - A 10 point drilling program shall be submitted
to this office prior to spudding, and directional
survey data shall be submitted at time
of completion.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *BLANKET*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER *NO*

☐ UNIT *NO*

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

September 22, 1983

Burton/Hawks, Inc.
P. O. Box 359
Casper, Wyoming 82602

RE: Well No. Aagard #20-1
SESE 20, T. 3N, R. 8E
(Surface) 806' FSL, 882' FEL
(BHL) 660' FSL, 660' FEL
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void. A 10 point drilling program shall be submitted prior to spudding, and directional survey data shall be submitted at time of completion.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:


RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30282.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
Encl.

LAW OFFICES
PRUITT, GUSHEE & FLETCHER

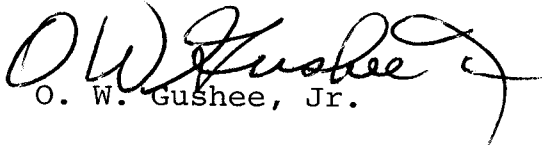
ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.
F. ALAN FLETCHER
RICHARD B. JOHNS
ROBERT G. PRUITT, III
THOMAS W. BACHTTELL

SUITE 1850 BENEFICIAL LIFE TOWER
SALT LAKE CITY, UTAH 84111
(801) 531-8446

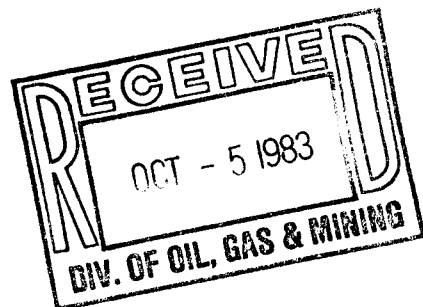
October 5, 1983

Division of Oil, Gas & Mining
State of Utah
Utah State Capital
Salt Lake City, UT 84114

Enclosed, in triplicate, is Division of Oil, Gas, and Mining Form OGC-1b, "Sundry Notices and Reports on Wells" filed by Burton/Hawks, Inc. in connection with the 20-1 Well located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 20, Township 3 North, Range 8 East, SLM, for your further handling.


O. W. Gushee, Jr.

OWG:dl
Enclosures



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR <u>Burton/Hawks Inc.</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>P. O. Box 359, Casper, WY 82602</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 806 feet from the South line and 882 feet from the East line (SE $\frac{1}{4}$ SE $\frac{1}{4}$)		8. FARM OR LEASE NAME <u>Aagard</u>
14. PERMIT NO. <u>43-043-30242</u>	15. ELEVATIONS (Show whether OF, RT, OR, etc.) <u>7095 feet G.R.</u>	9. WELL NO. <u>20-1</u>
		10. FIELD AND POOL, OR WILDCAT <u>Aagard Ranch</u>
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <u>Sec. 20 - T3N, R8E, S1M</u>
		12. COUNTY OR PARISH <u>Summit</u>
		13. STATE <u>Utah</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <u>Change of Operator</u>	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

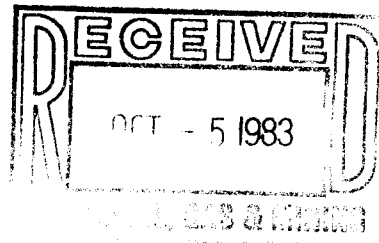
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

The proposed well will be operated by the following company:

NUTECH DRILLING CO.
P. O. Box 1280
Casper, Wyoming 82602

Telephone: 307-577-0985

AFE's have been submitted to all working interest owners in the drilling unit and an operating agreement is under consideration.
Bond coverage number 4491971.



18. I hereby certify that the foregoing is true and correct

SIGNED

O. W. Gushee, Jr.

TITLE

Attorney-in-Fact for
Burton/Hawks, Inc.

DATE

10/5/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: NUTECH DRILLING COMPANY

WELL NAME: Aagard 20-1

SECTION SESE 20 TOWNSHIP 3N RANGE 8E COUNTY Summit

DRILLING CONTRACTOR Murray

RIG #

SPUDDED: DATE 10-5-83

TIME 10:30 PM

How Dry Hole Spud

DRILLING WILL COMMENCE

REPORTED BY Dick Troost

TELEPHONE # 307-577-0985

DATE 10-12-83 SIGNED Norm

WATER OK
[Signature]

3 7

NUTECH EXPLORATION CO., INC.
MORNING REPORT
2N 8-5 10-50

RECEIVED
OCT 10 1983

DIVISION OF
OIL, GAS & MINING

✓ Aagard #20-1
Summit County, Utah

October 5, 1983

Move in Geary Construction w/cat to build location and roads. Move in Murray Drlg. Rig #7 to set conductor. Drilled 3' hole and shut down for repairs and night. SPUDDED @ 10:30PM 10/5/83

October 6, 1983

Clear off location. Start drilling @ 11:00AM from 3' to 40'. 2:00PM run 16" conductor till 3:00PM. Shut down till morning for cement. Cat working location from 8:00AM till 5:30PM

October 7, 1983

Survey road - cement conductor w/2 yds by Ellingford Bros. - Geary Construction worked 8 hours on location.

October 8, 1983

Geary Construction worked on location 8 hours - Murray Drlg. Rig #7 on location standing by.

October 9, 1983

Geary Construction on location standing by to determine which way to put road into location. Murray Drlg. on location standing by.

Murray Drlg. cost = \$4,499.80 (Includes pipe & cement - 4 days stand-by)
Geary Turnkey Cost = \$14,000.
Consultant, Ron Orr (4 days @ \$200 per day = \$800.
Survey (Uintah Eng.) = \$651.25

October 10, 1983

Waiting on mud and snow to dry on location.

October 11, 1983

WO/mud to dry up

October 12, 1983

Drill sanitation holes w/dry hole digger.

October 13, 1983

Shut down all equipment due to legalities for putting in road from landowner. (Aagard)

October 14, 1983

Same

October 15, 1983

Same

October 16, 1983

Same

October 17, 1983

7095' Gr. level, Landowner gave okay to resume operation. 7091' prep Gr. level.
Move in dozer, culverts, cattle guards to build road. Location is finished.

NUTECH EXPLORATION CO., INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

October 19, 1983

Building road and installing culverts.

October 20, 1983

Building roads and installing cattle guards and culverts.

October 24, 1983

MIRT (Pipe tub)

October 25, 1983

MIRT (Move in drill pipe)

October 26, 1983

MIRT from Casper, Wyo (400 mile haul)

October 27, 1983

MIRT

October 28, 1983

MIRT

October 29, 1983

MIRT

October 30, 1983

MIRT

October 31, 1983

MIRT/RU

November 1, 1983

MIRT/RU

November 2, 1983

R/U

Remarks:

Broke 2 hydraulic lines - went to town for 3" hose.
Re-weld and stamp pipe - it was leaking. Drlg @
10:00AM - 100'. Running decent now - still no
hands if no workers by 4-5PM will get all new
people. (NOTE) Spudded @ 9:30AM + 11/3/83 ?

November 3, 1983

340' (340') 1st day work on rig @ 8:30AM surface - tertiary
Operations:

rig up 7 hrs., no operations 1 hr., PU bit and
collars- 1 1/2 hrs. WO/hydraulic system. drlg. - 1
hr., WO/hydraulic and # 1 pump 5 hrs., - drlg. - 5
hrs., - survey 1/2 hr., drlg. - 2 hrs. - WO/wtr 1
hr.

Bit:

Bit # 1 13 3/4" DTG 3/13 290' 8 hrs. wt: 10/12
RPM: 60/70 PP: 1400# deviation 240' = 1 degree

Mud:

gel & lime

BHA:

Bit, bit subs, and 9 DC's

Pump # 1:

TSM 500, liners: 5 1/2, 16, 5.3, 320.

Drill pipe: 149, Drill pipe OD = 4", ID = 2 7/8",

NUTECH EXPLORATION CO., INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Size = 5 1/4" FH wt: = 14.
DC's: OD = 6 1/4", ID = 2 1/4", Size = 4 1/2" XH
wt. per ft. = 90.

Remarks:

BUMPED PLUG @ 9:30AM 11/3/83. ✓

November 4, 1983

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR

Nutech Exploration/Formerly Nutech Drlg

3. ADDRESS OF OPERATOR

P.O. Box 1280 Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: SE/4SE/4

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Commence operations. ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached morning reports.

5. LEASE
Aagard Ranch

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Aagard

9. WELL NO.
Aagard #20-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sect. 20 T3N R8E

12. COUNTY OR PARISH
Summit County

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
gr. level - 7095' prep gr.
level - 7091'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED
NOV 30 1983

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

Ray Burton

TITLE

President

DATE

11/3/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NUTECH EXPLORATION CO., INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Drill pipe: 149, Drill pipe OD = 4", ID = 2 7/8",
Size = 5 1/4" FH wt:=14.
DC's: OD = 6 1/4", ID = 2 1/4", Size = 4 1/2" XH
wt. per ft. = 90.

Remarks:

SPUDED @ 9:30AM 11/3/83.

November 4, 1983

390' (350') 2nd day Drlg @ 470' @ 7:00AM Tertiary

Operations:

WO/wtr 2 hrs., replace power swivel 17 hrs., Drlg 1
hr., replace O- ring in swivel and level derrick 1
1/2 hr., Drlg 2 1/4 hrs., repack swivel 1/4 hr.

Bit:

#1 13 3/4 DTG 3/13 350' 9 hrs. wt:10/14,
RPM:60/70, PP: 1400#

Mud:

Same

November 5, 1983

641' (251') 3rd day Drlg @ 7:00AM Tertiary

Operations:

Work on swivel 3/4 hr., Drlg. 3/4 hr., WO/water 1
1/2 hr., Drlg 1 1/2 hr., WO/water 1 hr., Drlg. 1
hr., WO/water 1 3/4 hr., Drlg. 1/4 hr., Drlg. ,
Survey 1/2 hr., Drlg. 1 1/2 hr., WO/water 1 hr.,
Drlg. 10 1/2 hrs. (5 1/2 hrs. WO/water.

November 6, 1983

718' (77') 4th day WO/cement @ 7:00AM Tertiary

Operations:

Drlg. 14 hrs., Circ & mix gel 2 hrs., POH 2 hrs.,
RU/csg crew and run csg. 5 1/2 hrs..

Bit:

#1 13 3/4" DTG 3/13 718' 31 1/4
hrs. wt:10/15, RPM:60/80, PP:1400# T=8 B=8 G=14
Penetration: 21.70

Mud:

Same

November 7, 1983

718' (0') 5th day Drlg @ 791' @ 7:00AM (did not know
formation)

Operations:

Repair air line 3/4 hr., run csg. 1 1/4 hr., rig
down csg crew 2 1/2 hrs., RU/BJ Cementers & pump
cement 3 1/2 hrs., WO/cement, 2 hrs. WO/cement to
harden, 10 hrs. Cut off csg & nipple up 10
hrs. PU/BHA & TIH 4 hrs..

Bit:

#2 8 3/4" J-11 2-12's, 1-10

Pump:

Same

Mud:

Same

BHA:

Bit, Shock Sub, XO, 8 DC's, XO = 27307

✓ Casing:

Ran 712' 9 5/8" 36# K-55. Set @ 712' KB

NUTECH EXPLORATION CO., INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Cement:

Lead was 347 sx Class G 50:50:2 w/2% Calc Chloride and 1/4# cello. Tail w/100 sx Class G 2% Calc Chloride and 1/4# cello --- Got return.

Remarks:

Will give shoe guides and shoe joints on 11/8/83 report.

November 8, 1983

1161' (443') 6th day POH @ 8:00AM 1206' Sand & Shale

Operations:

TIH 1/2 hr., Test BOP @ 300 PSI for 15 min. 2 hrs., Drlg. 1/2 hr., Tag plug @ 670' 1/2 hr., Chain down BOP 1/2 hr., Drlg. cement & shoe 1 hr., Drlg. 3 1/2 hrs., Survey 1/2 hr., Drlg. 2 1/2 hr., Survey 1/2 hr., Drlg. 2 hrs., Survey 1/2 hr., Drlg. 1 1/2 hr., Survey 1/2 hr., Drlg. 4 1/4 hrs., survey 1/4 hr., Drlg. 1 3/4 hr.

Bit:

#2 8 3/4" J-11 2-12's, 1-10 443' 16 3/4 hrs. wt:8-10 RPM:60/80 PP:1400# Penetration rate: 26.5. Deviations: 820' = 2 degrees, 881' = 1 3/4 degree, 943' = 2 degrees, 1005' = misrun, 1036' = 2 1/4 degrees, 1129' = 2 1/4 degrees.

Mud:

Water

Remarks:

Shoe ---1.30
Shoe jt.---39.66
KB---10.00

Apparent twist off.

November 9, 1983

1215' (54') 7th day TIH @ 7:00AM w/bit #3 Sand & Shale

Operations:

Drlg. 1/2 hr., Survey, 1/2 hr., Drlg. 2 1/4 hr., Worked pipe -twisted off @ 1215' 1/4 hr. POH 4 1/2 hrs. Work on overshot 3 hrs., Lay down bad collars, PU/ 8 3/8" overshot w/ 6 1/4" Grapple. WO/XO sub 6 1/2 hrs., TIH 2 hrs., break circ - work over top of fish 1/2 hrs., POH slowly with fish 3 hrs.

Bit:

#2 J-11 2-12's, 1-10 Depth out 1215' Total: 497' 20 1/2 hrs. wt:8-10 RPM:60/80 PP:1400#, T=6, B=8, G=1/8 Deviation: @ 1191' = 2 1/4 degrees

Mud:

Water

Remarks:

Recovered fish - going back in hole.

November 10, 1983

1367' (152') 8th day Drlg @ 1496' @ 8:00AM Tertiary

Operations:

Finish trip out 1 1/2 hrs., Magnaflux DC & re-face 4 hrs., LD bad DC's - pick up new 3 hrs., TIH w/bit #3 2 1/2 hrs., break circ - wash & ream to bottom - 60' 1 1/2 hr., Drlg 1 1/4 hr. Work on pump 1 1/4

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hr., Drlg. 5 hrs., Survey @ 1322' = 2 degrees $\frac{3}{4}$
hr., Drlg. $2\frac{3}{4}$ hrs.
Bit: #3 8 $\frac{3}{4}$ " HS 51 3-12's 152' 9
hrs. wt:15 RPM:70/90 PP - 1000#
Mud: Water

November 11, 1983

1778' (411') 9th day Trip out for bit @ 8:00AM Echo ✓
Canyon

Operations:

Drlg. $3\frac{1}{2}$ hrs., Survey $\frac{1}{2}$ hr. - misrun, Drlg.
 $3\frac{1}{2}$ hrs., Survey @ 1481' = $1\frac{3}{4}$ degrees $\frac{1}{2}$ hr.,
Drlg. $1\frac{1}{2}$ hrs., replace packing in pump $1\frac{3}{4}$
hrs., Drlg. $4\frac{1}{4}$ hrs., Survey @ 1651' = $1\frac{3}{4}$
degrees $\frac{1}{2}$ hr., Drlg. 1 hr., repair mud pump $\frac{1}{2}$
hr., Drlg. 7 hrs..

Bit: #3 8 $\frac{3}{4}$ " HS 51 2-12's 1-11 573' 29 $\frac{1}{4}$
hrs. wt:10-15 RPM:60/90 PP:
1400# Penetration Rate: 20.3

Mud: Water

Remarks:

Background gas 1-3 units - connection gas 3-5
units.

November 12, 1983

1944' (166') 10th day Drlg. @ 2012' 8:00AM Echo
Canyon

Operations:

Drlg. $2\frac{1}{2}$ hrs., Circ. & Survey @ 1819' = 3
degrees $\frac{3}{4}$ hrs., Drlg. $2\frac{3}{4}$ hrs., circ. & cond.
hole 1 hr., POH $2\frac{1}{2}$ hrs., strap pipe & clean mud
pits 2 hrs. - make -8' correction on pipe tally,
TIH 2 hrs., Drlg. $3\frac{1}{2}$ hrs., RS $\frac{1}{4}$ hr., Survey @
1906' = 2 degrees $\frac{1}{2}$ hr., replace washpipe &
swivel $1\frac{3}{4}$ hrs., Drlg. $2\frac{1}{2}$ hrs.

Bit: #3 8 $\frac{3}{4}$ " HS 51 2-12's 1-11 depth out
1836' 621' $34\frac{1}{2}$ hrs. wt:10 - 15 RPM:60/90 PP
- 1400# T=2 B=8 G= $\frac{1}{4}$ " pen rate 18.0
#4 8
 $\frac{3}{4}$ " J-22 2-14's 1-12 wt:10/14 RPM:70/80 PP -
1000#

Mud: Water

Remarks:

Background gas 1-3 units - connection gas 3-5
units.

November 13, 1983

2087' (143') 11th day Drlg. @ 2160' @ 8:00AM Echo
Canyon

Operations:

Drlg. 1 hr., Circ and Survey @ 1969' = $1\frac{3}{4}$
degrees $\frac{3}{4}$ hrs., Drlg. $\frac{1}{2}$ hr., work on swivel
 $\frac{1}{2}$ hr., Drlg. $2\frac{3}{4}$ hrs., work on swivel $1\frac{3}{4}$
hrs., Drlg. $1\frac{1}{2}$ hrs., circ & take injured hand to

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hospital 3 1/4 hrs. - Rocky Bailey slipped on snow & fell out of derrick & hurt back. Treated & released w/no injuries - just bruises - LDS Hospital, SLC, RS 1/2 hr., Drlg. 1/2 hr., repair swivel 7 1/2 hrs., Drlg. 3 1/4 hrs.

Bit:

Same

Mud:

Gel & lime VIS 30 wt:9.2

Remarks:

Background gas 1-3 units - connection gas 3-5 units.

November 14, 1983

2302' (215') 12th day Drlg @ 2360' @ 7:00AM Wanship ✓

Operations:

Drlg 2 hrs., WO/welder and weld swivel 3 1/2 hrs., Drlg 1/2 hr., Survey @ 2126' = 1 3/4 degree 1/2 hr., Drlg 7 1/2 hrs., Survey @ 2216' = 1 3/4 degrees 1/4 hr., RS 1/4 hr., Drlg 3 1/4 hr., Change liner in mud pump 3 1/2 hrs., Drlg 2 hrs., Replace packing on mud pump 3/4 hrs.

Bit:

#4 8 3/4" J-22 2-14's, 1-12 363' 26 1/2 hrs.
wt:15, RPM:60/80 PP: 1000#

Mud:

Gel & lime VIS 30 wt:9.2

November 15, 1983

2409' (107') Trip for new bit Wanship ✓

Operations:

Change out packing on pump #1 1 1/2 hrs., Drlg. 3 hrs., survey @ 2340' = 2 1/4 degrees 1/2 hr., Drlg. 3 hrs., Repair swivel and work on #2 pump 4 hrs., hook up pump, change packing in #2 pump, work on oilers on pump, replace liner & valve cap gasket 7 3/4 hrs., Drlg. 3 hrs., Rig up to circ for trip for freezing 3/4 hrs.

Bit:

TIH w/bit #5 Bit #4: 8 3/4" J-22 2-14's & 1-12 Depth out 2409' Footage: 573' Hours: 44 1/4 wt:10-15 RPM:60/90 PP: 1000# T=2 B=4 G=1/8

Mud:

Lime & caustic

November 16, 1983

2478' (69') 14th day Trip @ 7:00AM for survey equipment (recovered same) Wanship Shale

Operations:

Unload DC's and drain mud line & pump 3 hrs., POH 3 hrs., Strap & PU new BHA 3 hrs., TIH w/bit #5 3 1/2 hrs., Break circ, wash and ream bottom 1/2 hr., Drlg. 10 hrs., Replace packing in #2 pump 1/2 hr., Drlg. 1/2 hr.

Bit:

#5 8 3/4" J-22 2-14's, 1-12 69' 10 1/2 hrs. wt:15-25 RPM:60/90 PP1000# Pen. rate:6.6

Mud:

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Gel, soda ash, and caustic

November 17, 1983

2610' (132') 15th day TIH @ 8:00AM @ 2633' Wanship
Shale

Operations:

Drlg 2 hrs., survey @ 2490' = 2 3/4 degrees 1/2
hr., circ & cond hole for trip 1/2 hr., POH 2 3/4
hrs., level derrick, circ mud system to thaw out
lines 2 3/4 hrs., TIH w/bit #6 1 1/2 hrs., Drlg 3
1/4 hrs., WOW (water truck stuck) 1/2 hr., change
relief valve on #2 pump 1/4 hr., Drlg 2 hrs., RS
1/4 hr., Drlg 7 hrs.

Bit:

#5 8 3/4" J-22 2-14's, 1-12 DEPTH OUT
2490' 81' 12 1/2 hrs.
#6 8 3/4" J-22 2-14's, 1-12 120' 13
hrs. wt:15-20 RPM:60/80 PP:800#

Mud:

Gel, Soda Ash & Caustic

November 18, 1983

2733' (123') 16th day Drlg @ 2787' @ 8:00AM Wanship
Shale

Operations:

Drlg. 1/2 hr., RS 1/2 hr., Drlg 2 1/4 hr., Circ &
cond hole - drop survey 1 1/4 hrs., POH 4 hrs., Cut
drlg line and adjust breakers 1 1/2 hr., TIH 2
hrs., RS 1/4 hr., Finish trip in and replace
hydraulic ram in boom 3 hrs., Break circ & ream 20'
to bottom 1/2 hr., Drlg. 12 hr., Repair weight
indicator 1/2 hr., Drlg 7 1/4 hr.

Bit:

#6 J-22 2-14's, 1-12 DEPTH OUT 2633' 143' 16 3/4
hrs. Wt:12-18 RPM:80 PP:800# T=2,B=8,G=1/8
#7 8 3/4 J-22 2-14's, 1-12 Drlg

Mud:

Gel, soda ash, caustic & drispac

November 19, 1983

2912' (179') 17th day Drlg @ 8:00AM @ 2956' Wanship
Shale

Operations:

Drlg 2 3/4 hrs., Survey @ 2756' = 2 3/4 degrees 1/2
hr., Repack swivel 2 1/4 hrs., Drlg 2 3/4 hrs.,
Replace packing in mud pump 3/4 hrs., Drlg 3 hrs.,
RS 1/4 hr., Drlg 1 3/4 hrs., Circ & survey @ 2849'
= 1 3/4 degrees 1/2 hr., Drlg. 9 1/2 hrs.,

Bit:

#7 8 3/4 J-22 2-14's, 1-12 279' 27 1/2
hrs. Wt:20-25 RPM:80 PP:1000#

Mud:

Same

November 20, 1983

3031' (119') 18th day WO/parts for swivel Wanship
Shale

Operations:

Drlg. 1 1/2 hrs., RS 1/4 hr., Drlg. 11 1/4 hrs.,
RS 1/4 hr., Drlg 7 hrs., Clean suction line to mud

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Bit: pump 1 hr., Work on swivel 2 3/4 hrs.
#7 Same
Mud: Same

November 21, 1983
3031' (0') WO/parts for swivel
Operations:
WO/parts to repair swivel 24 hrs.
Bit: Same
Mud: Same

November 22, 1983
3031' (0') 19th day WO/parts, repair swivel
Operations:
WO/parts, repair swivel 24 hrs.
Remarks: Should be drilling about 9:00AM

November 23 1983
3031' (0') 21st day Thaw out stand pipe and mud lines
Operations:
WO/swivel 24 hrs.
Mud: Gel & Chemicals

November 24, 1983
3042' (11') 22nd day Trip for bit #8 Wanship Shale
Operations:
Thaw out stand pipe 8 1/4 hrs., Wash & ream to bottom 1 hr., Weld in new wash pipe and change packing 9 1/4 hrs., Drlg. 2 hrs., Work stuck pipe (hole fell in) 1 hr., Drlg. 1 1/4 hrs., Circ 1/2 hr., Trip out 3/4 hrs.
Bit: #7 8 3/4" J-22 2-14's, 1-12 DEPTH OUT
3042' 409' 15 1/2
hrs. Wt:20 RPM:80 PP:800 T=4,B=8,G=1/8
Mud: Gel, Chemicals

November 25, 1983
3068' (26') 23rd day Circ & Cond Mud Wanship Shale
Operations:
POH, up-ream tight hole 7 1/4 hrs., Change bit & PU more DC's and start in hole 2 1/2 hrs., Repair hydraulic ram 1 hr., TIH, LD 3 jts. bad pipe 2 1/4 hrs., Break circ, wash & ream to bottom 2 hrs., Drlg. 2 1/2 hrs., Work stuck drill pipe 6 1/2 hrs.
Bit: #8 8 3/4" CJ2 3-13's Drlg.
Mud: Gel, Chems

November 26, 1983
3260' (192') 24th day Build volume @ 3263' - Lost circ Wanship Shale

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Operations:

Work stuck Drill Pipe 5 3/4 hrs., Circ & cond hole
5 1/2 hrs., Drlg 2 1/4 hrs., RS 1/2 hr., Drlg. 10
hrs.

Bit:

Same

Mud:

Same

November 27 1983

3347' (87') 25th day Drlg @ 3406' @ 7:30AM Wanship
(Siltstone, sand, and shale)

Operations:

Lost circ - build volume 12 hrs., work on pump 2
hrs., Drlg 2 hrs., Switch pumps 1/2 hr., Drlg 1/2
hr., Switch pumps 1/2 hr., Drlg. 6 1/2 hrs.

Bit:

Same

Mud:

Wt:8.8, VIS:35, PV:7, YP:2, Gels:1/2, PH:9.5,
Filtrate:8.5, CK:2, Chloride:300, Calc:200,
Sand:Trace, Slds:4%

November 28, 1983

3530' (193') 26th day Drlg. @ 7:30AM @
3600' Wanship

Operations:

RS 1/4 hr., Drlg. 7 3/4 hrs., Repair mud line 1/4
hr., Drlg. 1 hr., Repair hydraulic leak on rig 2
hrs., Drlg. 2 3/4 hrs., RS 1/2 hr., Drlg. 9 1/2
hrs.

Bit:

Same

Mud:

Same

November 29, 1983

3682' (152') 27th day Repair swivel

Operations:

Drlg. 1 hr., Switch pumps 1/4 hr., Drlg. 2 1/4 hrs.,
RS 1/4 hr., Drlg. 8 3/4 hrs., Replace O-Ring in
swivel 1 1/2 hrs., Drlg. 3 hrs., RS 1/2 hr., Drlg.
3 hrs., Work on swivel 3 1/2 hrs.

Bit:

Same

Mud:

Same

November 30, 1983

3717' (35') 28th day Drlg. @ 3765' @ 7:30AM Wanship

Operations:

Repair swivel 19 hrs., Drlg. 5 hrs.

Bit:

Same

Mud:

Same

December 1, 1983

3864' (147') 29th day Trip for bit @ 7:30AM Wanship

Operations:

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Drlg. 1 1/2 hr., Work on swivel 1 1/4 hrs., Drlg. 6 1/4 hrs., RS 1/4 hr., Drlg. 8 3/4 hrs., RS 1/2 hr., Drlg. 4 12 hrs., Circ, drop survey & POH 1 hr., (survey mis-run)

December 2, 1983

3868' (4') 30th day Drlg. @ 3925' @ 8AM Wanship Shale
Operations:

RS 1/4 hr., POH & change BHA 6 3/4 hrs., cut drlg. line & work on brakes 5 hrs., WO parts for brakes 2 1/2 hrs., TIH w/Bit #9 5 hrs., wash & ream 120' to bottom 1 1/2 hrs., Drlg. 1/4 hr., work on swivel 2 hrs., Drlg. 3/4 hrs.

Bit:

#9 8 3/4" FP 51 3-14's RPM: 100 WT:
25 PP: 1200#

Mud:

Same

December 3, 1983

3992' (124') 31st day Drlg. @ 4015 : 8AM Wanship
Operations:

Drlg. 2 3/4 hrs., RS 1/4 hr., Drlg. 9 hrs., circ. & survey @ 3955' = 9 1/4 degrees 2 hrs., Drlg. 5 hrs., thaw out air lines 1/2 hr., Drlg. 4 1/2 hrs.

Bit:

Same

Mud:

Same

December 4, 1983

4090' (98') 32nd day Drlg. @ 4130' @ 8AM Wanship
Shale

Operations:

Replace hydraulic motor on rig 3 hrs., Drlg. 11 3/4 hrs., RS 1/4 hr., Drlg. 3 1/2 hrs., work on swivel 1/2 hr., Drlg. 5 hrs.

Bit:

Same

Mud:

Same

December 5, 1983

4204' (114') 33rd day Drlg. @ 4246' @ 7:00AM Top of
Kelvin @ 3900' ✓

Operations:

Drlg. 2 1/2 hrs., RS 1 1/4 hrs., Drlg. 3 hrs., Replace O-ring in swivel 1 hr., Drlg. 1 3/4 hrs., Remove front hydraulic booster pump 1/2 hr., Drlg. 7 hrs., RS 1/4 hr., Drlg. 7 3/4 hrs.

Bit:

#9, 8 3/4," FP 51, 3-14's, 340', 64 1/4
hrs., Wt:20-25, RPM:70-80, PP:1,000#

Mud:

Wt:8.9, VLS:32, PV:3, YP:1, Gels:0/1, PH:
8.0, WL:14.0, Sand:.5%, Slds:4%

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Remarks:

No shows, no gas. Penetration rate average: 5.3' per hour This AM: 4' per hour.

December 6, 1983

4298' (94') 34th day Drlg. @ 4315' @ 9:00AM Kelvin @ 3900'

Operations:

Drlg. 3 1/2 hrs., Repair #1 pump 1/2 hr., Drlg. 8 hrs., Work on swivel 3 hrs., WO/fuel 3 3/4 hrs., Drlg. 3 hrs., Repair swivel 1 3/4 hrs., Drlg. 1/2 hr.

Bit:

#9, 8 3/4", FP 51, 3-14's, 434', 79 1/2 hrs., Wt: 20-25, RPM: 70, PP: 1,000#

Mud:

Wt: 9.2, VIS: 34, PV: 8, YP: 4, gels: 1/3, PH: 8.0, WL: 20, ck: 2, sand: 1.5%, slds: 6.5%

Remarks:

No shows, no gas: Snowed in for 8 hrs.

December 7, 1983

4371' (73') 35th day Drlg. @ 4430' @ 7:00AM Kelvin 3900'

Operations:

WO/stuffing box for swivel & repairs 5 3/4 hrs., Drlg. 9 3/4 hrs., Install booster pump 1 hr., Drlg. 1 1/2 hrs., Work on light plant 1/2 hr., Drlg. 4 hrs., Change out rear swivel motor 3/4 hrs.

Bit:

#9, 8 3/4", FP 51, 3-14's, Drlg. 507', 95 1/2 hrs., Wt: 20, RPM: 80, PP: 1,000#

Mud:

Wt: 9.1, VIS: 32, PV: 9, YP: 2, gels: 1/7, PH: 8.0, WL: 10.8, ck: 2, sand: 1%, slds: 5.5%

Remarks:

No shows, no gas Drilled 60' in 7 hours this AM. Accumulated mud cost: \$8,905.

December 8, 1983

4484' (113') 36th day Tripping @ 4520' @ 7:00AM Kelvin 3900'

Operations:

Drlg. 2 1/4 hrs., RS 1/4 hr., Drlg. 10 1/2 hrs., RS 1/4 hr., Drlg. 5 1/4 hrs.

Bit:

8 3/4" FP 51 3-14's Drlg. 620' 113 1/2 hrs. Wt: 20 RPM: 80 PP: 1,000#

Mud:

Wt: 9.0 VIS: 33 PV: 8 YP: 2 gels: 1/4 PH: 8.5 WL: 11.0 ck: 2 sand: 1% slds: 4%

Remarks:

Had show Depth interval: 4499-4504, Units of gas before show: 2 During show: 8 After show: 2 Drilling rate before show: 10 min. per

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foot During break: 3-6 min per foot. After
break: 15 min per foot.

Lithology:

Sandstone, clear, white, medium to very fine
grain, subround, subangular, poorly sorted,
predominately unconsolidated, trace of dead oil
stain. Porosity: none (presumed wrong) Oil
cut: none Oil Stain: trace Chromatograph
Analysis: C-1 (Methane) Before break: 12 Max:
20 After show: 12 No Test Survey
equipment in hole @ time of report

December 9, 1983

4520' (36') 37th day TIH w/bit #10 Kelvin

Operations:

Drlg. 1/2 hr., RS 1/4 hr., Drlg. 6 3/4 hrs.,
Circ, drop survey 1/2 hr., POH 5 3/4 hrs., Repair
leak in hydraulic line 1/4 hr., POH 1/2 hr., Take
bent rim tube out of derrick 4 hrs., Change out
swivel 5 1/2 hrs.

Bit:

#9 8 3/4" BP 51 3-14's Depth Out: 4520' Total
depth: 656' 120 3/4 hrs. T=6 B=8 : G=1/4"

Mud:

Wt: 8.9 VIS: 32 PV: 8 YP: 2 Gels: 1/4 PH: 8.0
WL: 10.5 Ck: 2 Sand: 1% Slds: 4 1/2%

Remarks:

Survey @ 4520' = 9 degrees

December 10, 1983

4520' (0') 38th day TIH w/7" Magnet Kelvin

Operations:

Change out swivel & PU/monel collar 7 hrs., Fill
swivel & strap pipe 3 hrs., TIH w/bit #10 2 1/2
hrs., Mix 20 sacks pill 1/4 hr., TIH 3/4 hrs.,
Replace hydraulic motor in hydraulic swivel 1/2
hr., TIH 2 1/2 hrs., Run directional survey, line
broke @ tool, dropped to bottom - circ for trip 1
1/4 hrs., POH, broke latch on break-out tongs 6 1/4
hrs.

Bit:

None

Mud:

Wt: 8.9 VIS: 32 PV: 8 YP: 3 Gels: 1/3 PH: 8.5
WL: 10.5 Ck: 2 Sand: 1% Slds: 4.5%

Remarks:

Survey line broke @ 30' inside pipe. Line broke @
the tool. Using chain to latch tongs.

December 11, 1983

4520' (0') 39th day TIH w/7" magnet

Operations:

POH, drop 3/8" chain in hole - 12" long, includes a
hook & 9 links 1/2 hr., WO/magnet 3 1/2 hrs., Rig
up Pengo 1/2 hr., TIH w/7" magnet hit bridge, @
2880', pushed bridge to 3010', POH 2 1/2 hrs., TIH

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w/7" magnet on drill string - water flow - 5 1/2 hrs. Wash to bottom, mix mud 8 1/2 hrs. POH w/magnet, tight hole off bottom 3 hrs.

Bit:

Mud: None

Wt: 8.9 VIS: 31 PV: 5 YP: 1 Gels: 1/2 PH: 9.0
WL: 13.5 Ck: 2 Sand: 1% Slds: 4.2%

Remarks: This AM, chain was not on magnet. Tight hole. 10 stands out of hole. Believe chain was along side of drill string. Blew in hole w/same magnet. Pipe free all the way to bottom.

December 12, 1983

4520' (0') 40th day POH w/7" magnet Kelvin

Operations:

POH w/magnet.- Wet trip 5 hrs., RS, fuel up, thaw out rig 1 1/2 hrs., TIH w/7" magnet 4 1/2 hrs., Tag fish, mix mud, circ & cond. water flow 5 hrs., Replace O-Rings in stuffing box, change out parts on other swivel 8 hrs.

Bit:

None

Mud:

Wt; 8.9 VIS: 31 WL: 14.5

Remarks:

This AM we drilled 6" past fish - started out of hole @ 2:00AM - Very Cold - Keeping rig thawed out.

December 13, 1983

CORR:4510' (0') 41st day Drlg. @ 4534' @ 8:00AM
Kelvin

Operations:

Wash & ream to bottom 1/2 hr., work fishing magnet,, Drlg. 9" in hole 1 1/2 hr., Put alcohol in air line 1/2 hr., POH slow 6 1/2 hrs., RS & fuel up 1 hr., WO/boot basket 2 1/2 hrs., Drain out boiler and lines 3/4 hrs., Caliper junk basket, thaw out air lines, 1 3/4 hrs., Go through valves in #1 mud pump 3/4 hrs., TIH, gooseneck cracked 3/4 hrs., WO/welder 4 3/4 hrs., RU/boiler 4 3/4 hrs., Weld, thaw gooseneck 2 hrs.

Bit:

#10 8 3/4" J-22 3-13's TIH w/bit & junk sub

Mud:

Wt: 8.9 VIS: 35 WL: 13.5 Ck: 2

BHA:

Bit, + Junk Sub, + Float Sub, + Shock tool, + Sub, + Monel Drill Collar, + Sub, + 11-6 1/4" Drill Collars, + XO = 379.55

String Weight: 84,000#

Drill Collar Weight: 27,000#

Remarks:

This AM Drilled 24' in 2 hours. Corrected depth: 4510' Reamed 400'

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4628' (118') 42nd day Drlg. @ 4650' @ 8:00 AM Kelvin
Operations:

Work on swivel 1 1/2 hrs., Finish trip 1 hr., Wash
& ream 4 1/4 hrs., Drlg. 3 1/4 hrs., Weld bracket
on gooseneck 1 3/4 hrs., Drlg. 1/4 hr., RS &
repair oil leak 1/4 hr., Drlg. 2 1/2 hrs., Replace
hydraulic motor on swivel 1 1/4 hrs., Drlg. 4 1/2
hrs., Work ball off of bit and LD bad joint 1/2
hr., Drlg. 3 hrs.

Bit:

#10 8 3/4" J-22 3-13's Wt: 15-25
RPM: 60-90 PP: 1,000 Drlg.: 118' 14 hrs.
Penetration rate per hour: 8'

Mud:

Wt: 8.7 VIS: 33 PV: 3 YP: 3 Gels: 1/1
PH: 8 WL: 8.8 Ck: 2 Sand: 1% Slds: 3%
Chloride: 400 Calc: 112 Accumulated mud cost:
\$14,520

Remarks:

No show, No gas

December 15, 1983

4832' (204') 43rd day Drlg. @ 4900' @ 8:00 AM
Kelvin
Operations:

Drlg. 1/4 hr., Replace O-ring in swivel 1/2 hr.,
Drlg. 8 hrs., RS 1/4 hr., Drlg. 2 1/2 hrs., Put
steel bolts in gooseneck 1/2 hr., Drlg. 8 hrs.

Bit:

#10 8 3/4" J-22 3-13's Drlg. 274' 32 3/4
hrs. Wt: 15-25 RPM: 60-90 PP: 1,000#
Penetration rate 8.3 per hour.

Mud:

Wt: 8.9 VIS: 33 PV: 6 YP: 2 Gels: 1/2
PH: 8.5 WL: 8.0 Ck: 2 Sand: 1% Slds: 4%
Chloride: 300 Calc: 120

Remarks:

No shows, 6 units of background gas 8 units of
connection gas. Shale, Sandstone, Bentonite.

December 16, 1983

5000' (168') 44th day Drlg. @ 5060' @ 7:00 AM Basil
Kelvin
Operations:

Drlg. 9 1/2 hrs., Work on flow nipple 1/2 hr.,
Work on flow nipple 1 hr., Drlg. 3 hrs., RS 1/2
hr., Replace O-Ring in swivel 3/4 hrs., Drlg. 8
1/2 hrs.

Bit:

#10 8 3/4" J-22 3-13's Drlg. 490'
54 1/4 hrs. Wt: 25 RPM: 90 PP: 1200
Average penetration rate: 9' per hour.

Mud:

Wt: 9.2 VIS: 32 PV: 5 YP: 0 Gels: 0/0
PH: 8.0 WL: 8.4 Ck: 3 Chloride: 250 Calc: 150

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Summit County, Utah

Sand: 1% Slds: 7%

Remarks:

No shows. Shale, Sandstone, and Bentonite.
Background gas: 5
Connection gas: 6

December 17, 1983

5173' (173') 45th day Drlg. @ 5225' @ 7:00AM Basal
Kelvin

Operations:

Drlg. 1 1/4 hr., Replace O-Ring in swivel 2 3/4
hrs., Drlg. 4 hrs., Repair hydraulic hose 1 3/4
hrs., Drlg. 5 1/2 hrs., RS, tighten bolts on
swivel 1/2 hr., Drlg. 8 1 1/4 hrs.

Bit:

#10 J-22 3-13's Drlg. 663' 74 1/4 hrs.
Wt: 25 RPM: 80 PP: 1,000 Average penetration
rate: 9' per hour

Mud:

Wt: 9.5 VIS 34 PV: 7 YP: 2 Gels: 0/0
PH: 9.0 WL: 7.5 Ck: 2 Sand: 1% Slds: 8.7%

Remarks:

No shows: Background gas: 4
Connection gas: 6

December 18, 1983

5321' (147') 46th day Rig up pump #2 @ 7:00AM Basal
Kelvin

Operation:

Drlg. 2 3/4 hrs., RS, tighten bolts in swivel 1/4
hr., Drlg. 9 1/2 hrs., RS 1/4 hr., Drlg. 7 1/4
hrs., Work on pump motor - radiator leak 1 1/4
hrs., Drlg. 2 3/4 hrs.

Bit:

#10 8 3/4" J-22 3-13's Drlg. 811' 96 1/2
hrs. Wt: 25 RPM: 80 PP: 1,000 Average
penetration rate: 8.4' per hour

Mud:

Wt: 9.5 VIS: 35 PV: 10 YP: 4 Gels: 1/3
PH: 9.0 WL: 8.4 Ck: 2 Sand: 1.5% Slds: 9%
Chloride: 300 Calc: 80
Accumulated mud costs: \$17,670.

Remarks:

Kent Fenton slipped on ice, hurt left knee.
No shows. Background gas: 4, Connection gas: 6
Shale, sandstone, stringer limestone.

December 19, 1983

5326' (5') 47th day Drlg. @ 5357' @ 8:00AM Basal
Kelvin

Operations:

Drlg. 1/4 hr., #1 pump motor blew up - leak in
radiator - let cool and start up with radiator stop
leak. Circ w/#1 pump every hour - install pony rod
in #2 pump - thaw out suction on #2 pump 23 3/4
hrs.

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Bit: #10 8 3/4" J-22 3-13's repairs: 816'
96 3/4 hours Wt: 20 RPM: 80 PP: 1,000#

Mud: Wt: 9.5 VIS: 36 PV: 12 YP: 6 Gels: 2/6
PH: 9.0 WL: 8.8 Ck: 2 Sand: 2% Slds: 9%

Remarks: No shows - diesel in mud, which causes gasses to go up:
Background gas: 10
Connection gas: 16-22
We have 90% shale, some limestone stringers, and a little sandstone.
Took 3 hours to change crews due to snowstorm.
Started drilling @ 2:00AM

December 20, 1983
5411' (85') 48th day Drlg. @ 5455' @ 7:00AM Basal
Kelvin
Operations:

Work on #2 pump, thaw out lines 2 hrs., Wash & ream 60' to bottom 1 hr., Drlg. 3/4 hrs., Fix leak on discharge line 3/4 hrs., Drlg. 3 1/2 hrs., RS 1/2 hr., Drlg 1 1/4 hrs., Change out main hydraulic pump 2 1/4 hrs., Drlg. 4 1/2 hrs., Change stuffing box gasket in pump #2 3 hrs., Drlg. 1 hr., Tighten bolts on dresser sleeve 1/2 hr., Drlg. 3 hrs.

Bit: #10 8 3/4" J-22 3-13's Drlg. 901'
110 1/2 hrs. Wt: 25 RPM: 80 PP: 1,100#

Mud: Wt: 9.6 VIS: 35 PV: 6 YP: 3 Gels: 1/2
PH: 8.0 WL: 8.0 Ck: 2 Sand: 2% Sls 9 1/2%
Chlorides: 300 Calc: 200

Remarks: 90% Shale
1% Limestone
Background Gas: 6
Connection Gas: 6

December 21, 1983
5526' (115') 49th day Repair transmission @ 8:00AM
Basal Kelvin
Operations:

Drlg. 1/4 hr., RS 3/4 hrs., Drlg. 12 1/4 hrs.,
Weld nipple on #2 pump 1/2 hr., Drlg. 6 1/2 hrs.,
Work on transmission 3 3/4 hrs.

Bit: Same

Mud: Wt: 9.6 VIS: 35 PV: 7 YP: 2 Gels: 1/2
PH: 8.5 WL: 8.4 Ck: 2 Sand: 2% Slds: 9 1/2%

Remarks: No shows
Background gas 5
Connection gas 5

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

December 22, 1983

5526' (0') 50th day Repair transmission Basal Kelvin
Operations:

Work on transmission 24 hrs.

Bit: Same
Mud: Same

December 23, 1983

5526' (0') 51st day Repair Transmission Basal Kelvin
Operations:

Work on transmission 24 hrs.

Bit: Same
Mud: Same

December 24, 1983

5526' (0') 52nd day Repair Transmission
Operations:

Wait on mechanic 12 hrs. Work on Transmission 12 hrs.

Bit: Same
Mud: Same

December 25, 1983

5534' (8') 53rd day Drlg. @ 5583' @ 8:00AM Basal Kelvin
Operations:

Install new transmission 6 1/2 hrs., Drlg. 3 hrs.,
Replace unions on pump lines 3 1/2 hrs., Work on
power take-off 2 hrs., Drlg. 9 hrs.

Bit: Same
Mud: Same

December 26, 1983

5583' (49') 54th day TIH w/bit #11 @ 8:00AM Basal Kelvin
Operations:

Drlg. 3 hrs., RS & work on hydraulic hoses 2 hrs.,
Drlg. 3 1/2 hrs., Work on pipe racks 5 hrs., Drop
survey and POH 9 1/2 hrs., Change out BHA & fuel up
rig 1 hr.

Bit: Same
Mud: Same

Remarks:

Survey @ 5583' 10 degrees

December 27, 1983

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

5589' (6') 55th day Mud lines froze up @ 8:00AM

Basal Kelvin

Operations:

TIH 12 hrs., Thaw out air lines 1 1/4 hrs., Wash & ream 300' to bottom 3 1/4 hrs., Drlg. 2 3/4 hrs., Work on motor 1 hr., Drlg. 1 hr., Work on mud lines 2 1/2 hrs.

Bit:

#11 8 3/4" Security 84 F 3-14's Drlg.

Mud:

Same

December 28, 1983

5589' (0') 56th day Build volume @ 8:00AM Basal

Kelvin

Operations:

W/O thread lock on #2 pump 8 hrs., W/O steamer 2 hrs., Thaw out kelly hose and stand pipe 7 hrs., Clean mud pits 5 hrs.

Bit:

Same

Mud:

Same

Remarks:

Should be drilling again at 10:00AM today.

December 29, 1983

5608' (19') 57th day Basal Kelvin

Operations:

Thaw out pits 13 hrs., Thaw out choke manifold 4 hrs., Drlg. 8 hrs.

Bit:

Same

Mud:

Same

December 30, 1983

5614' (6') 58th day Drlg. @ 8:00AM Basal Kelvin

Operations:

Drlg. 1/2 hr., Replace PTO (Power take-off) 2 hrs., Drlg. 1/2 hr., WO/new pump 21 hrs.

Bit:

Same

Mud:

Same

December 31, 1983

5648' (34') 59th day Drlg. @ 8:00AM Basal Kelvin

Operations:

W/O hydraulic pump 2 1/2 hrs., Install pump 1 hr., Work stuck pipe 3 1/2 hrs., Drlg. 5 hrs., Change hydraulic motor 2 hrs., Drlg. 10 hrs.

Bit:

Same

Mud:

Same

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

January 6, 1984

5853' (19') 65th day Upper part of Lower Kelvin ✓

Operations:

Work on hydraulic system 14 1/2 hrs., Drlg. 1/2 hr., Repair hydraulic leak 1/2 hr., Drlg. 1/4 hr., Change swivel motor 4 hrs., Drlg. 1 1/2 hr., Tighten pony rods in pump 1 hr., Drlg. 1 3/4 hrs.

Bit:

#11 8 3/4" Security 3-14's Drlg. 300' 67 1/4 hrs.

Mud:

Same

January 7, 1984

5909' (56') 66th day Drlg. @ 8:00Am Upper part of Lower Kelvin

Operations:

Drlg. 1/4 hrs., RS 1/4 hr., Drlg. 4 hrs., Change swivel motor 2 1/2 hrs., Drlg. 5 hrs., POH 6 hrs.. DROP SURVEY @ 5909' 8 degrees

Bit:

Same

Mud:

Same

January 8, 1984

5995' (86') 67th day Drlg. @ 8:00AM @ 6055' Upper part of Lower Kelvin, little bit of sand

Operations:

POH 1 1/4 hrs., RS 1/4 hr., TIH 5 1/2 hrs., Work on water pump and fill tank 1 hr., Wash & ream 90' to bottom 2 hrs., Drlg. 5 1/4 hrs., RS 1/4 hr., Replace hose on swivel 1/2 hr., Drlg. 2 3/4 hrs., Replace washpipe and packing 1 3/4 hrs., Drlg. 3 1/2 hrs.

Bit:

#11 8 3/4" Security 3-14's DEPTH OUT 5909' 316' 83 hrs.

#12 8 3/4" RBI CJ-2 3-13's Drlg.

Mud:

WT: 9.0 VIS: 35 PV: 4 YP: 2 PH: 9.5 WL: 8.0
Ck: 2/32 Calc: 120 Chlor: 2000 Sand: 1/4%
Slds: 4.5%

Remarks:

No shows No gas

January 9, 1984

6163' (168') 68th day Drlg. @ 6215' @ 8:00AM Basal Kelvin ✓

Operations:

Drlg. 1 hr., RS 1/4 hr., Drlg. 11 3/4 hrs., RS 1/4 hr., Change cap on mud pump 1/2 hr., Drlg. 7 3/4 hrs., Repair drive line on rig 2 1/2 hrs.

Bit:

#12 8 3/4" RBI CJ-2 3-13's 255' 32 hrs.

Mud:

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Wt: 8.9+ VIS 34 PV 5 YP 1 Gels -- WL:
8.4 PH: 9.5 Ck: 2/32 Chl: 1500 Calc 100
Sand 1/2% Slds: 4 1/2%

Remarks:

Getting into more red beds with intermittent sand stringers.

No shows -----1-3 Units of gas

January 10, 1984

6320' (157') 69th day Drlg. @ 8:00AM @ 6370' Basal
Kelvin

Operations:

Repair drive line 1 hr., Circ and build volume -
condition mud 1 1/2 hrs., Work tight hole 1 hr.,
Drlg. 9 1/2 hrs., RS 1/4 hr., Drlg. 6 3/4 hrs.,
Work pipe - tight hole 1/2 hr., Drlg. 3 1/2 hrs.

Bit:

#12 8 3/4" RBI CJ-2 51 3/4 hrs. 412'

Mud:

Wt: 8.8+ VIS: 35 PV: 7 YP: 2 PH: 9.5
WL: 7.5 Ck: 2/32 Chl: 750 Calc: 100
Sand: 1/2% Slds: 4%

Remarks:

1-2 units of background gas - No shows
Expect to TD tomorrow morning

January 11, 1984

6458' (138') 70th day TD @ 5:45AM, Jan.12 @6505'
Circ @ 8:00AM to POH for logs

Operations:

Drlg. 3 3/4 hrs., RS 1 hr., Drlg. 11 1/2 hrs., RS
1/4 hr., Drlg. 3/4 hrs., Work on mud pump 1/2 hr.,
Drlg. 7 hrs.

Bit:

#12 8 3/4" RBI CJ-2 3-13's 549'
74 3/4 hrs.

Mud:

Wt: 8.9 VIS: 34 PV: 7 YP 1 Gels: 1/2
PH: 9.5 WL: 7.5 Ck: 2/32 Chl: 600 Calc: 50
Sand: 1/2% Slds: 4%

Remarks:

At 6470' had drilling break - - - No Shows.
Start logging today, Jan.12,1984

January 12, 1984

6505' (47') 71st day TD Basal Kelvin TIH @ 8:00AM

Operations:

Drlg. 1 1/4 hrs., RS 1/4 hr., Drlg. 2 1/4 hrs.,
Work on pump 1/2 hr., Drlg. 1 1/2 hr., Circ and
condition hole 3 1/4 hrs., Work on clutch 5 1/2
hrs., POH 1/2 hr., RU Gearhart and log 3 1/2 hrs.

Bit:

8 3/4" RBI CJ-2 3-13's 596' 79 3/4 hrs.

Mud:

Wt:8.9+ VIS: 38 PV: 7 YP: 1 Gels: 1/2 PH: 9.5
WL: 7.5 Ck: 2/32 Chl: 600 Calc: 50

NUTECH EXPLORATION COMPANY, INC.
MORNING REPORT

Aagard #20-1
Summit County, Utah

Sand: 1/2% Slds: 4%
Remarks: Second log only ran to 6350', so will re-run. Didn't reach the pay in 28-1. Correlation is on the way to Bob Wellborn with Burton/Hawks in Casper.

January 13, 1984
6560' (55') 72nd day TIH @ 8:00AM Lower Kelvin
Operations: Logging 3 hrs., RD loggers 1/2 hr., TIH 8 hrs., Ream 180' to bottom 1 3/4 hrs., RS 1/4 hr., Drlg. 9 hrs., Work on pump 1/2 hr., Drlg. 1 hr.
Bit: #13 8 3/4" HSPM 3-14's 50' 10 hrs.
Mud: Same

January 14, 1984
6606' (46') 73rd day TIH @ 8:00AM Lower Kelvin
Operations: Drlg. 3 1/2 hrs., RS 1/4 hr., Drlg. 4 hrs., Circ & cond. mud 4 1/4 hrs., POH 5 1/2 hrs., RU mud lines to circ 1/2 hrs., RU Gearhart and log 6 hrs.
Bit: Same
Mud: Same

January 15, 1984
6606'
Operations: Logging 3 hrs., LD drill pipe, clean bits 21 hrs.
Remarks: Set bridge plug with wireline - NO CEMENT
Temporarily abandon @ 6606'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☒ other

2. NAME OF OPERATOR
Nutech Drilling, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 1280, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 7095' GL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: 6606' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Temporary Abandon	<input checked="" type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Intend to drill deeper at a later date.
Set bridge plug with wireline - no cement @690'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE
Aagard 20-1

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Aagard 20-1

8. FARM OR LEASE NAME

9. WELL NO.
Aagard 20-1

10. FIELD OR WILDCAT NAME
Aagard Ranch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 20 T3N, R8E SLM

12. COUNTY OR PARISH
Summit

13. STATE
Utah

14. API NO.
43-043-30242

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GL-7095', Prep GL-7091', KB7101'

RECEIVED
MAY 1 1984
DIVISION OF OIL
& MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Drlg. Supt. DATE May 10, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JAN 08 1986

January 3, 1986

DIVISION OF OIL
GAS & MINING

THE HARTFORD

Denver Claims Office
6825 East Tennessee Avenue
Building II, Suite 175
P.O. Box 22815
Denver, Colorado 80222
Telephone: (303) 321-7222

State of Utah Natural Resources
Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

Attn: Arlene Sollis, Administrative Analyst

RE: Bond No.: 4491971
Nutech Drilling Company, Inc.

Dear Miss Sollis:

In reference to the above captioned bond number, this will acknowledge receipt of your letter dated December 23, 1985.

You inquired as to whether or not the above captioned bond number on behalf of Nutech Drilling Company, Inc. was still in effect concerning the Aagard 1-20 well in Section 20, Township 3 North, Range 8 East, Summit County, Utah. I have checked with our Bond Underwriting Department in our Denver Regional Office and I have been informed that the bond is in effect but it has been changed from 4491971 to 4491975. This bond was issued on October 7, 1983 and it was in the penalty of \$10,000. If you intend to present a claim under this bond, please correspond with the undersigned so we can investigate this matter.

Thank you very much for your consideration.

Sincerely,


Jim Eliassen
Assistant Manager

jq/1071s



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 23, 1985

Mr. Jim Eliassen, Assistant Manager
Hartford Claims Department
P. O. Box 22815
Denver, Colorado 80222

Dear Mr. Eliassen:

Re: Bond No. 4491971 - Nutech Drilling Company, Inc.

In regards to the above referenced surety bond and our telephone conversation, this bond was issued October 7, 1983 in the amount of \$10,000 from your Natrona County, Wyoming office. Also listed on the bond is No. 340557.

We are interested in knowing if this bond is still in affect. The bond covers the Aagard 1-20 well, Section 20, Township 3 North, Range 8 East, Summit County, Utah.

We would appreciate your help in this matter.

Sincerely,

Arlene Sollis
Administrative Analyst

cc: Nutech Drilling Company
Dianne R. Nielson

8989T

RECEIVED
DIVISION OF OIL, GAS & MINING
JAN 15 1971

Page 4421 71

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIVISION OF
OIL, GAS & MINING

BOND

KNOW ALL MEN BY THESE PRESENTS,

That

WE:

Nutech Drilling Company, Inc.

of

County of. Natrona

in the

State of: Wyoming

as principal

and HARTFORD ACCIDENT AND INDEMNITY COMPANY

as surety, authorized to do business in this State, are held and firmly bound unto the State in the penal sum as indicated, lawful money of the United States, for which payment, will and truly be made to the State of Utah for the use and benefit of the Division of Oil, Gas and Mining, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State of Utah, to wit:

T 3N, R 8E, Summit County, Utah

Section 20, SESE

Well Name - 1-20 Aagard

AND WHEREAS the above bounden principal shall comply with all of the

HARTFORD ACCIDENT AND INDEMNITY COMPANY

340557

POWER OF ATTORNEY

Know all men by these Presents, that the HARTFORD ACCIDENT AND INDEMNITY COMPANY a corporation duly organized under the laws of the State of Connecticut and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, does hereby make, constitute and appoint

WALT FORBES, MARY ANN DIVITTORIO and ROBIN G. FORD of CASPER, WYOMING;
RICHARD MEYERS and/or LISA K. ADAMS of GILLETTE, WYOMING

its true and lawful Attorney(s)-in-Fact, with full power and authority to each of said Attorney(s)-in-Fact, in their separate capacity if more than one is named above, to sign, execute and acknowledge any and all bonds and undertakings and other writings obligatory in the nature thereof on behalf of the company in its business of guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; guaranteeing the performance of insurance contracts where surety bonds are accepted by states and municipalities, and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed.

In penalties not exceeding the sum of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) each,

and to bind the HARTFORD ACCIDENT AND INDEMNITY COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the HARTFORD ACCIDENT AND INDEMNITY COMPANY and sealed and attested by one other of such Officers, and hereby ratifies and confirms all that its said Attorney(s)-in-Fact may do in pursuance hereof.

This power of attorney is granted by and under authority of the following provisions:

(1) By Laws adopted by the Stockholders of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 10th day of February, 1943.

ARTICLE IV

SECTION 8. The President or any Vice-President, acting with any Secretary or Assistant Secretary, shall have power and authority to appoint, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Resident Assistant Secretaries and Attorneys-in-Fact and at any time to remove any such Resident Vice-President, Resident Assistant Secretary, or Attorney-in-Fact, and revoke the power and authority given to him.

SECTION 11. Attorneys-in-Fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company and to attach the seal of the Company thereto any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested by one other of such Officers.

(2) Excerpt from the Minutes of a meeting of the Board of Directors of the HARTFORD ACCIDENT AND INDEMNITY COMPANY duly called and held on the 11th day of June, 1976:-

RESOLVED: Robert N. H. Sener, Assistant Vice-President and Thomas F. Delaney, Assistant Vice-President, shall each have as long as he holds such office the same power as any Vice-President under Sections 6, 7, and 8 of Article IV of the By-Laws of the Company.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of the HARTFORD ACCIDENT AND INDEMNITY COMPANY at a meeting duly called and held on the 6th day of August, 1976:-

RESOLVED: That, whereas Robert N. H. Sener, Assistant Vice-President and Thomas F. Delaney, Assistant Vice-President, acting with any Secretary or Assistant Secretary, each have the power and authority, as long as he holds such office, to appoint by a power of attorney, for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, one or more Resident Vice-Presidents, Assistant Secretaries and Attorneys-in-Fact;

Now, therefore, the signatures of such Officers and the seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

In Witness Whereof, the HARTFORD ACCIDENT AND INDEMNITY COMPANY has caused these presents to be signed by its Assistant Vice-President, and its corporate seal to be hereto affixed, duly attested by its Secretary, this 1st day of April, 1983.

Attest:

HARTFORD ACCIDENT AND INDEMNITY COMPANY

Mary Schaff

Mary Schaff, Secretary



Robert N. H. Sener

Robert N. H. Sener,
Assistant Vice-President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

On this 1st day of April, A.D. 1983, before me personally came Robert N. H. Sener, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Assistant Vice-President of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

STATE OF CONNECTICUT

COUNTY OF HARTFORD

CERTIFICATE

I, the undersigned, Assistant Secretary of the HARTFORD ACCIDENT AND INDEMNITY COMPANY, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force and has not been revoked; and furthermore, that Article IV, Sections 8 and 11, of the By-Laws of the Company, and the Resolutions of the Board of Directors, set forth in the Power of Attorney, are now in force.

Signed and sealed at the City of Hartford, Dated the 7th day of October, 1983.



David A. Johnson
David A. Johnson,
Assistant Secretary

1. Bond?

To Paul? - Pay Landon. ev?

Date 11/5/86 Time 3:05

WHILE YOU WERE OUT

M. ✓ Alan Paulson ✓

of Amoco EXT. 2316

Phone No. 307/789-1700 ✓

TELEPHONED ✓ Amoco ✓

WAS IN TO SEE YOU ☐ WILL CALL BACK ☐

WANTS TO SEE YOU ☐

RETURNED YOUR CALL ☐

URGENT

Message #70-1 ✓ 3118e

Agard Section 20

Burton Hawks

Nu Tech (Farmout)

Lease - Fee

Amoco

Operator

TRANSCRIPT® BRAND

No. 01461

A QUALITY PAPER PRODUCT

→ cost estimate CIBPA/TA
→ base of 4.51

11-10-86

JRB

Nutech Drilling Co.

Aagard # 20-1

Sec. 20, T.3N, R.8E, Summit Co.

Verbal approval to P_x A:

1. Nutech is out-of-business, Amoco will do plugging work as the ~~lease~~ lessee. Dan Poulson Ph. 789-1700 asked for verbal approval to plug.
2. Pump 2 sx cement on top of CIBP @ 690'.
3. Pump 10-15 sx surface plug.
4. Set marker.
5. Work to take place this week

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

120130

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DRY HOLE		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR NUTECH EXPLORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. BOX 1280, CASPER, WYOMING 82602		7. UNIT AGREEMENT NAME Aagard Ranch
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 806' FSL & 882' FEL SE/4 Sec. 20, T3N, R8E		8. FARM OR LEASE NAME Aagard Ranch
14. PERMIT NO. 43-043-30242		9. WELL NO. 20-1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7095' GL		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 20, T3N, R8E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well was plugged as follows:

2 sx cmt dumped on CIPB @ 690'

20 sx cmt plug SA surface

P & A was completed on 11-18-86

Verbal approval: John Baza (UTO&GC) to Dan Polson (Amoco) on
11-10-86 at 2:30 p.m.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Stf Fac Eng Supervisor

DATE 11-20-86

(This space for Federal or State office use)

APPROVED BY

TITLE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DATE: 11-28-86

BY: [Signature]

Individual Well Summary

Well Name: Aagard #20-1
API No.: 43-043-30242
Location: 806'FSL, 882'FEL, SE SE Sec.20, T.3N, R.8E, Summit County
Initial Operator: Burton/Hawks, Inc.
P.O. Box 359
Casper, WY 82602
Current Operator: Nutech Exploration Company
P.O. Box 1280
Casper, WY 82602
Landowner: Mr. Welby Aagard
2777 Wilshire Drive
Salt Lake City, Utah
Lease No. or Type: Fee

Lease History:

10-06-71 Amoco Production Company obtained an Oil and Gas lease for this acreage from Welby K. and Opal D. Aagard.
08-24-81 Amoco Production Company re-leased acreage from Welby K. Opal D. Aagard.
09-08-83 Amoco and Burton/Hawks executed a farm-out agreement whereby Amoco farmed out Summit County acreage to Burton/Hawks.
10-05-83 DOGM received notice of change of operator from Burton/Hawks to Nutech Drilling Company, Inc.

Current Well Status: P&A 11-18-86

Bond Status: Division currently holds a \$10,000 bond for Nutech Drilling Company, Inc., with the Hartford Accident and Indemnity Company.

Inspection History:

01-11-84 Inspected by Dorothy Swindel and Dan Jarvis
08-07-84 Inspected by Dorothy Swindel
09-28-84 Inspected by Dorothy Swindel
07-03-85 Inspected by Dorothy Swindel
09-18-86 Inspected by Glenn Goodwin and Carol Revelt

Correspondence History:

09-14-83	APD submitted by Burton/Hawks for a 6500' Kelvin test.
09-22-83	Approval to drill granted.
10-05-83	Sundry from O.W. Gushee, Attorney for Burton/Hawks, informing the Division of change of operator from Burton/Hawks to Nutech Drilling Company.
10-07-83	\$10,000 Bond issued by the Hartford Accident and Indemnity Company for Nutech Drilling Company, Inc.
10-12-83	Spud Notice received. Well spudded 10-05-83.
11-30-83	Received Sundry from Nutech Exploration, formerly Nutech Drilling, with drilling reports from 10-05-83 to 11-03-83.
06-11-84	Received Sundry Notice: well TD'd at 6606' and a bridge plug was set at 690'. Well classified as Temporarily Abandoned. Nutech intends to deepen well at a later date. Received drilling reports from 11-04-83 to 01-15-84.
07-27-84	Nutech Exploration, aka Nutech Drilling, filed a petition for Chapter 11 in the Cheyenne Bankruptcy Court, Docket 00557-B. This petition was subsequently converted to a petition for Chapter 7. Sheree Norman of Casper, Wyoming, is acting as Court appointed representative to help settle this case.
08-07-84	Inspection Report: Well is capped, no P&A marker, reserve pit is fenced and filled with fluids--no evidence of leakage.
09-28-84	Inspection Report: Well is capped, pit is filled with fluids--some fluids have evaporated but no leaks are evident, location had trash on it.
07-03-85	Inspection Report: Well is TA, metal plate welded on casing, reserve pit is open with fluids and is fenced.

Page 3
Individual Well Summary
Aagard #20-1

12-23-85	Division sent a letter to the Hartford Claims Department to check on the status of Nutech's bond.
01-08-86	Received letter from the Hartford Claims Department informing the Division that Nutech's bond is still in effect but that its number has been changed from 4491971 to 4491975.
02-18-86	Nutech Exploration, aka Nutech Drilling, is dissolved as a corporation in Wyoming due to failure to submit 1984 and 1985 Annual Reports. The company is classified as Inactive and Delinquent.
09-18-86	Inspection Report: Well is not plugged. Water from pit has been hauled away and pit is ready for backfilling. Gravel from the location has also been hauled away.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO. FEE											
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME											
2. NAME OF OPERATOR NUTECH DRILLING CO. INC						7. UNIT AGREEMENT NAME											
3. ADDRESS OF OPERATOR PO BOX 1280 CASPER WYO 82602						8. FARM OR LEASE NAME AAGARD											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 806 FSL 882 FEL At top prod. interval reported below 660 FSL 660 FEL At total depth						9. WELL NO. 20-1											
14. PERMIT NO. 43-043-30242 DATE ISSUED 9-22-83						10. FIELD AND POOL, OR WILDCAT AAGARD											
15. DATE SPUNDED 10-5-83 16. DATE T.D. REACHED 1-15-84 17. DATE COMPL. (Ready to prod.) PEA 11-18-86 18. ELEVATIONS (DF, RKB, BT, GR, ETC.)* 7095 GA 19. ELEV. CASINGHEAD UNK						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE SE 20 3N, 8E											
20. TOTAL DEPTH, MD & TVD OPN 545 6606 21. PLUG BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS ✓ CABLE TOOLS						12. COUNTY OR PARISH SUMMIT 13. STATE UT											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE						25. WAS DIRECTIONAL SURVEY MADE UNK											
26. TYPE ELECTRIC AND OTHER LOGS RUN UNK						27. WAS WELL CORDED NO											
28. CASING RECORD (Report all strings set in well)																	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED												
9 5/8	36 LB/FT	712 K/B	12 1/4	347 5X 6	NONE												
16" CONDUCTOR @ 40'																	
29. LINER RECORD																	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD												
	N/A				SIZE	DEPTH SET (MD)	PACKER SET (MD)										
						N/A											
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.													
NONE				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND KIND OF MATERIAL USED</th> </tr> <tr> <td></td> <td>NONE</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		NONE						
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																
	NONE																
33. PRODUCTION																	
DATE FIRST PRODUCTION NONE		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) N/A				WELL STATUS (Producing or shut-in) PEA 11-18-86											
DATE OF TEST N/A	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO										
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A						TEST WITNESSED BY 12-05-86 UC											
35. LIST OF ATTACHMENTS NONE																	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																	
SIGNED [Signature]		TITLE Records Mgr.			DATE 12-5-86												

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and tag on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (dillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUS VERT. DEPTH
				TERTIARY	SURFACE	1777
				ECHO CANYON	1778	2301
				WANSHIP	2302	3899
				KELVIN	3900	OPEN 545 26606



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

021920

February 11, 1987

Mr. Jim Eliassen, Asst. Mgr.
The Hartford Accident and Indemnity Company,
Denver Claims Office
P.O. Box 22815
Denver, Colorado 80222

Dear Mr. Eliassen:

RE: Bond No. 4491975, Nutech Drilling Company, Inc.

Due to the bankrupt status of Nutech Exploration Company, aka Nutech Drilling Company, and its inability to complete its obligation to properly plug and abandon a well under their operatorship, the Division of Oil, Gas and Mining requests that action be initiated in filing a claim against Nutech Exploration Company's Bond #4491975 issued by the Hartford Accident and Indemnity Company.

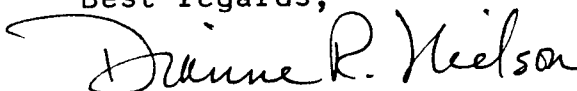
Nutech applied to drill the Aagard 20-1 well in Summit County, Utah in September 1983. Pertinent information regarding the subject well is provided in the enclosed table. On July 27, 1984, Nutech Exploration Company filed a petition for relief under Chapter 11 in Wyoming Bankruptcy Court, Docket No. 00557-B. The petition was subsequently converted to a petition for Chapter 7 bankruptcy.

Between January 1984 and November 1986, Nutech neither plugged nor conducted further operations on the well. In accordance with Section 40-6-5(1)(e), UCA as amended 1983, and under the Oil and Gas Conservation General Rules, Nutech had the responsibility of properly plugging and abandoning the well. For this reason, the Division desires to file a claim for Nutech's \$10,000 bond to cover well plugging and rehabilitation costs.

Page 2
Mr. Jim Eliassen
February 11, 1987

Your assistance in processing this claim would be greatly appreciated. If you have any questions concerning this claim, please contact R. J. Firth or John Baza of this office.

Best regards,

A handwritten signature in cursive script that reads "Dianne R. Nielson". The signature is written in dark ink and is positioned below the text "Best regards,".

Dianne R. Nielson
Director

CAR
Enclosure
cc: Guy Burton, Nutech Exploration Co.
D. R. Nielson
R. J. Firth
✓ Well file
0364T-4-8



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

43-043-30045
PA
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 13, 1987

041000

Ms. Cheryl Simmons, Manager
The Hartford Accident and Indemnity Company,
Salt Lake City Claims Office
P.O. Box 270
Salt Lake City, Utah 84110

Dear Ms. Simmons:

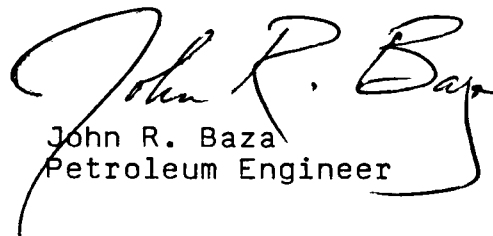
RE: Bond No. 4491975, Nutech Drilling Company, Inc.

In order to allow release of the referenced drilling bond to the Division of Oil, Gas and Mining, I am sending you copies of the invoices for the plugging and abandoning of the Aagard well #20-1 located in Section 20 of Township 3N, Range 8E, Summit County, Utah. The total cost for the work was \$24,162.12 and the work was performed in November 1986.

This letter represents a follow up both to your conversation with Carol Revelt of the Division on April 13, 1987, and to the Division's letter dated February 11, 1987, which filed a claim on the referenced bond. This information should be adequate to allow release of the bond amount of \$10,000 to the Division. As the invoices indicate, this represents only partial compensation for the plugging and abandoning of the well.

Thank you for your attention to this matter. Please contact Carol Revelt or me again if you have any further questions.

Sincerely,


John R. Baza
Petroleum Engineer

CAR
Enclosures
cc: D. R. Nielson
R. J. Firth
Well file
0295T-74



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 9, 1987

To: John Baza

From: Carol Revelt

RE: Aagard #20-1 well, Sec. 20, T. 3N, R. 8E, Summit County

The attached Well Summary has been compiled in conjunction with a request by Amoco Production Company concerning the referenced well. Amoco desires that the Division foreclose on Nutech Exploration Company's \$10,000 Bond for the Aagard #20-1 and reimburse Amoco for the costs of plugging the well and rehabilitating the well site. It is recommended that we prepare a letter to the bonding company requesting that bond foreclosure be initiated.

In summary, on July 27, 1984, six months after temporarily abandoning the Aagard #20-1 well, Nutech Exploration Company filed a petition for Chapter 11 in Wyoming's Bankruptcy Court (this petition was subsequently converted to one for Chapter 7). On February 18, 1986, Nutech was dissolved as a corporation in Wyoming due to its failure to submit annual reports for 1984 and 1985. On November 18, 1986, Amoco, the original lessee of the well site, plugged the Aagard #20-1 well and began restoring the site. Amoco had originally farmed out the acreage to Burton/Hawks Company, who in turn transferred the operatorship over to Nutech Exploration Company (see Lease History section in the Well Summary).

Since Nutech Exploration Company is bankrupt, has been dissolved as a corporation, and was unable to complete its obligation to either deepen the well or plug it, and Burton/Hawks would not act on its obligation to plug the well either; Amoco feels that the Division should foreclose on Nutech's bond and turn the money over to them for partial compensation for plugging the well and restoring the location. After reviewing these circumstances, Mr. Mark Moench, Assistant Attorney General, indicated that Amoco should be compensated for their efforts and that we should initiate bond foreclosure proceedings.

Attachments
0295T-59-63

Individual Well Summary

Well Name: Aagard #20-1

API No.: 43-043-30242

Location: 806'FSL, 882'FEL, SE SE Sec.20, T.3N, R.8E,
Summit County

Initial Operator: Burton/Hawks, Inc.
P.O. Box 359
Casper, WY 82602

Current Operator: Nutech Exploration Company
P.O. Box 1280
Casper, WY 82602

Landowner: Mr. Welby Aagard
2777 Wilshire Drive
Salt Lake City, Utah

Lease No. or Type: Fee

Lease History:

10-06-71	Amoco Production Company obtained an Oil and Gas lease for this acreage from Welby K. and Opal D. Aagard.
08-24-81	Amoco Production Company re-leased acreage from Welby K. Opal D. Aagard.
09-08-83	Amoco and Burton/Hawks executed a farm-out agreement whereby Amoco farmed out Summit County acreage to Burton/Hawks.
10-05-83	DOGM received notice of change of operator from Burton/Hawks to Nutech Drilling Company, Inc.

Current Well Status: P&A 11-18-86

Bond Status: Division currently holds a \$10,000 bond for Nutech Drilling Company, Inc., with the Hartford Accident and Indemnity Company.

Inspection History:

01-11-84	Inspected by Dorothy Swindel and Dan Jarvis
08-07-84	Inspected by Dorothy Swindel
09-28-84	Inspected by Dorothy Swindel
07-03-85	Inspected by Dorothy Swindel
09-18-86	Inspected by Glenn Goodwin and Carol Revelt

Correspondence History:

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09-28-84	Inspection Report: Well is capped, pit is filled with fluids--some fluids have evaporated but no leaks are evident, location had trash on it.
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12-23-85 Division sent a letter to the Hartford Claims Department to check on the status of Nutech's bond.

01-08-86 Received letter from the Hartford Claims Department informing the Division that Nutech's bond is still in effect but that its number has been changed from 4491971 to 4491975.

02-18-86 Nutech Exploration, aka Nutech Drilling, is dissolved as a corporation in Wyoming due to failure to submit 1984 and 1985 Annual Reports. The company is classified as Inactive and Delinquent.

09-18-86 Inspection Report: Well is not plugged. Water from pit has been hauled away and pit is ready for backfilling. Gravel from the location has also been hauled away.

09-29-86 Division representative spoke with Mr. John Anderson, Attorney for the landowner, Mr. Welby Aagard. He said that Mr. Aagard is trying to negotiate with Amoco, the original lessee of the land, to plug the well and rehab the site. He had already arranged with a construction company to haul away the gravel and the pit water. They know of the \$10,000 Nutech bond but are not acting on it because they don't think that it is enough money to plug the well and rehab the site. Mr. Aagard is a stickler about his land and mainly wants it cleaned up.

11-10-86 John Baza issued verbal plugging orders for the Aagard #20-1 to Amoco Production Company.

11-14-86 Dan Poulson from Amoco called and said that the Aagard #20-1 would be plugged 11-18-86 and also wanted the Division to check into getting the \$10,000 bond released to Amoco for plugging the well. John Baza gave the bond information to Mark Moench for his scrutiny.

11-17-86 Division representative spoke with Walt Schaeffer, Amoco's Evanston District Foreman. He said that Amoco had recently gone through several bond foreclosures in Wyoming having

the same circumstances, i.e. Amoco farmed-out the land to someone else who was not able to complete their drilling/plugging obligations. He said that Amoco has kept all of its cost invoices for plugging the well and restoring the location, totalling approximately \$23,000, and that after receiving the \$10,000 bond they will approach Burton/Hawks for the remaining money as Burton/Hawks farmed-out the acreage to Nutech. He referred the Division to Don Basco at the Oil and Gas Commission of Wyoming if there are any questions.

11-18-86	Plugging operations witnessed by Glenn Goodwin and Carol Revelt.
11-24-86	Received Sundry informing the Division of well plugging.
01-16-87	Mark Moench recommended to John Baza that the Division foreclose on Nutech's Bond.

Problem Summary:

Nutech Exploration filed for bankruptcy in 1984 and was unable to complete its obligations to either finish drilling or plug the well. The well was Temporarily Abandoned for over two and a half years after which time Mr. Welby Aagard, the land owner, negotiated with Amoco to have the well plugged and the land rehab'd. Amoco would like the Division to foreclose on Nutech's bond and turn the money over to it in order to help recover costs for plugging the well and restoring the location.

Recommended Action:

File a claim against Nutech's \$10,000 bond and upon receipt, turn the money over to Amoco to help cover its plugging and rehab expenses.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 11, 1987

Mr. Jim Eliassen, Asst. Mgr.
The Hartford Accident and Indemnity Company,
Denver Claims Office
P.O. Box 22815
Denver, Colorado 80222

Dear Mr. Eliassen:

RE: Bond No. 4491975, Nutech Drilling Company, Inc.

Due to the bankrupt status of Nutech Exploration Company, aka Nutech Drilling Company, and its inability to complete its obligation to properly plug and abandon a well under their operatorship, the Division of Oil, Gas and Mining requests that action be initiated in filing a claim against Nutech Exploration Company's Bond #4491975 issued by the Hartford Accident and Indemnity Company.

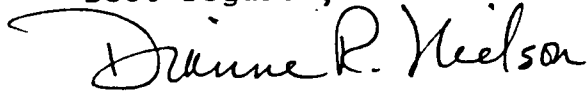
Nutech applied to drill the Aagard 20-1 well in Summit County, Utah in September 1983. Pertinent information regarding the subject well is provided in the enclosed table. On July 27, 1984, Nutech Exploration Company filed a petition for relief under Chapter 11 in Wyoming Bankruptcy Court, Docket No. 00557-B. The petition was subsequently converted to a petition for Chapter 7 bankruptcy.

Between January 1984 and November 1986, Nutech neither plugged nor conducted further operations on the well. In accordance with Section 40-6-5(1)(e), UCA as amended 1983, and under the Oil and Gas Conservation General Rules, Nutech had the responsibility of properly plugging and abandoning the well. For this reason, the Division desires to file a claim for Nutech's \$10,000 bond to cover well plugging and rehabilitation costs.

Page 2
Mr. Jim Eliassen
February 11, 1987

Your assistance in processing this claim would be greatly appreciated. If you have any questions concerning this claim, please contact R. J. Firth or John Baza of this office.

Best regards,



Dianne R. Nielson
Director

✓ CAR
Enclosure
cc: Guy Burton, Nutech Exploration Co.
D. R. Nielson
R. J. Firth
Well file
0364T-4-8

Individual Well Summary

Well Name: Aagard #20-1

API No.: 43-043-30242

Location: 806'FSL, 882'FEL, SE SE Sec.20, T.3N, R.8E,
Summit County

Initial Operator: Burton/Hawks, Inc.
P.O. Box 359
Casper, WY 82602

Current Operator: Nutech Exploration Company
P.O. Box 1280
Casper, WY 82602

Landowner: Mr. Welby Aagard
2777 Wilshire Drive
Salt Lake City, Utah

Lease No. or Type: Fee

Lease History:

10-06-71	Amoco Production Company obtained an Oil and Gas lease for this acreage from Welby K. and Opal D. Aagard.
08-24-81	Amoco Production Company re-leased acreage from Welby K. Opal D. Aagard.
09-08-83	Amoco and Burton/Hawks executed a farm-out agreement whereby Amoco farmed out Summit County acreage to Burton/Hawks.
10-05-83	DOGM received notice of change of operator from Burton/Hawks to Nutech Drilling Company, Inc.

Current Well Status: P&A 11-18-86

Bond Status: Division currently holds a \$10,000 bond for Nutech Drilling Company, Inc., with the Hartford Accident and Indemnity Company.

Inspection History:

01-11-84	Inspected by Dorothy Swindel and Dan Jarvis
08-07-84	Inspected by Dorothy Swindel
09-28-84	Inspected by Dorothy Swindel
07-03-85	Inspected by Dorothy Swindel
09-18-86	Inspected by Glenn Goodwin and Carol Revelt

Correspondence History:

09-14-83	APD submitted by Burton/Hawks for a 6500' Kelvin test.
09-22-83	Approval to drill granted.
10-05-83	Sundry from O.W. Gushee, Attorney for Burton/Hawks, informing the Division of change of operator from Burton/Hawks to Nutech Drilling Company.
10-07-83	\$10,000 Bond issued by the Hartford Accident and Indemnity Company for Nutech Drilling Company, Inc.
10-12-83	Spud Notice received. Well spudded 10-05-83.
11-30-83	Received Sundry from Nutech Exploration, formerly Nutech Drilling, with drilling reports from 10-05-83 to 11-03-83.
06-11-84	Received Sundry Notice: well TD'd at 6606' and a bridge plug was set at 690'. Well classified as Temporarily Abandoned. Nutech intends to deepen well at a later date. Received drilling reports from 11-04-83 to 01-15-84.
07-27-84	Nutech Exploration, aka Nutech Drilling, filed a petition for Chapter 11 in the Cheyenne Bankruptcy Court, Docket 00557-B. This petition was subsequently converted to a petition for Chapter 7. Sheree Norman of Casper, Wyoming, is acting as Court appointed representative to help settle this case.
08-07-84	Inspection Report: Well is capped, no P&A marker, reserve pit is fenced and filled with fluids--no evidence of leakage.
09-28-84	Inspection Report: Well is capped, pit is filled with fluids--some fluids have evaporated but no leaks are evident, location had trash on it.
07-03-85	Inspection Report: Well is TA, metal plate welded on casing, reserve pit is open with fluids and is fenced.

Page 3
Individual Well Summary
Aagard #20-1

12-23-85 Division sent a letter to the Hartford Claims Department to check on the status of Nutech's bond.

01-08-86 Received letter from the Hartford Claims Department informing the Division that Nutech's bond is still in effect but that its number has been changed from 4491971 to 4491975.

02-18-86 Nutech Exploration, aka Nutech Drilling, is dissolved as a corporation in Wyoming due to failure to submit 1984 and 1985 Annual Reports. The company is classified as Inactive and Delinquent.

09-18-86 Inspection Report: Well is not plugged. Water from pit has been hauled away and pit is ready for backfilling. Gravel from the location has also been hauled away.



THE HARTFORD
The Insurance People of **ITT**

February 26, 1987

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

Nutech Exploration Company
P. O. Box 1280
Casper, WY 82602

Attn: Guy Burton

RE: Our Bond No.: 4491975
Type of Bond: Drilling and Plugging Bond
Location of Well: Summit County
Well Name: Aagard No. 20-1

Dear Mr. Burton:

In reference to the above captioned claim, we received the notice letter from the State of Utah Natural Resources Department dated February 11, 1987 on February 16, 1987. Please take notice that payment on behalf of Nutech Drilling Company is required to be made to the Obligee at their address in Salt Lake City, Utah.

In the event of your failure to pay the amount owed, it may become necessary that The Hartford Accident and Indemnity Company, as your surety, reimbursed the obligee for the amount of damages that they will eventually substantiate up to the amount of your bond representing \$10,000. Therefore, it is necessary that you give this matter your prompt attention.

Please take further notice that under the terms of your agreement of indemnity contained in the application which you executed when applying for your bond, we shall look to you to save us harmless from any and all loss and expense in this matter, and you are expected to provide for the payment of this matter at your own cost and expense. We reserve the right, however, if we deem it necessary for the protection of our interest, to also appear in any action on your behalf, but at your own

orig mine file
cc BuRoberts
K may
DEN
L Braxton
Board

MAR 02 1987

DIVISION OF
OIL GAS & MINING

Denver Claims Office
6825 East Tennessee Avenue
Building II, Suite 175
P.O. Box 22815
Denver, CO 80222
Telephone (303) 321-7222

Page 2
February 26, 198
4491975

cost and expense. Thank you very much for your consideration of this matter.

Sincerely,

Jim Eliassen
Assistant Manager

cc: State of Utah Department of Natural Resources
Oil, Gas, and Mining
Attn: Dianne R. Nielson, Director
355 West North Temple
3 Triad Center, Ste. 350
Salt Lake City, UT 84180-1203

pm/6002s



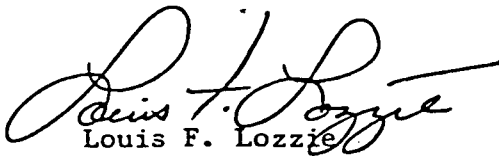
Amoco Production Company
PO Box 829
Evanston, Wyoming 82930

February 26, 1987

On November 25th and 26th of 1986, Amoco Production Company's employee, Craig Griffith, spent both days working on the Aagard Ranch 20-01 reclamation site. His amount of pay for those two days comes to a total of \$425.92.

Walt Shaffer, another Amoco Production Company employee, spent one-half of November 25th working on the reclamation of the Aagard Ranch 20-01. His half day of time comes to a total of \$143.00.

The calculations of pay were done by taking the annualized salary of each employee and dividing it by 2087.20 hours. The hourly rate was taken times the daily amount, based on eight hours in a day.


Louis F. Lozzie
Personnel Supervisor

SRC

*Sent to R. M. McDonald -
Reimbursed 2-26-87
per Walt Shaffer.*

Charge for company
supervision.

RECEIVED
MAR 16 1987

DIVISION OF
OIL, GAS & MINING

647

(801) 783-5561

INVOICE TOTAL	\$21,000.00
---------------	-------------

Start _____ End _____ Truck # _____ **JOB TICKET**

WIRELINE OF WYOMING

P.O. BOX 1899

EVANSTON, WYOMING 82930

A 016

rk Operator _____
myers
iggers _____
Simpson
Legal _____
Description _____

Charge to Amoco Production
Invoice Address _____
City _____
Lease and Well no Adgard #1 20-01
Field WILSON County SUMMIT
State UTAH
Job No _____

Invoice No _____
Invoice Date _____
Customer's Order No _____
Date 11/18/86
Job Performed _____
Operating Base _____

CONDITIONS OF THIS CONTRACT

TO WIRELINE OF WYOMING

You are hereby requested to furnish the service and materials and equipment herein set forth upon the following terms and conditions, to wit:
The undersigned, as customer, agrees to pay for the services and/or materials ordered hereunder at the office of WIRELINE OF WYOMING. Should any account not be paid within the term fixed by the invoice, interest will be charged at the rate of eighteen percent (18%) per annum from date of such invoice.
In the event you employ an attorney to enforce any claims of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of \$75.00.
The above described work shall be performed by you as an independent contractor. However, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence. This provision applying but not limited to, sub-surface damage and surface damage arising from a well blow-out, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of personal property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well.
Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within (60) days, or the cost of repairing any damage to items recovered.
Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees.
Customer certifies that it is the owner of the well on which the work herein ordered is to be done or that it has the full right and authority to order such work done on such wells, and that the well in which the work is to be done by you is in proper and suitable condition for the performance of said work.
Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

Mr. Gaffish

Customer

Agent

PRODUCT CODE	DESCRIPTION	PRICE	AMOUNT
	RAN dump boiler 2 SX to 600' per RTE.	6.90	—
	SET SURFACE Plug of 20 SX	210	—
	DC # 02275 TICKET ATTACHED. 22 SX	145	20
	In + Hawk's Farmout)	1045	20

Labor-wireline unit charges for this bill were based on a quote. Company was unable to provide a breakdown of labor charges.

Cost of cement = \$145.20

Lagard Ranch # DC 01
P+A
Investment ☐ Expense ☒
Verified CS Simpson 11/18/86

RECEIVED
MAR 16 1987

DIVISION OF OIL, GAS & MINING

COUNTING DEPARTMENT

REMARKS

PRICES SHOWN ARE ESTIMATES AND SUBJECT TO CHANGE BY ±

H S & D SERVICES INC. EVANSTON, WYOMING 82930 PHONE 789-3955 • 789-5170

2.54 x Seed

CUSTOMER ▶ WILCO PRODUCTION COMPANY → 11-26-86 DATE 11 125/86

LOCATION ▶ AGARD 20-01

COMPANY REPRESENTATIVE ▶ Graig Siffert

WORK TIME ▶ HRS 3.5 FROM 7:00 TO 10:20 AM/PM AM FROM TO AM/PM

TRAVEL TIME ▶ HRS FROM TO AM/PM FROM TO AM/PM

WORK PERFORMED: Put in surface cap on the well but 10" off seal.

QTY.	DESCRIPTION	AMOUNT
	3 TON TRUCK	
	3/4 TON PICKUP W/TOOLS	
1	LABORERS	3.5 HRS. @ \$ 14 PER/HR. 49 00
	CREW FOREMAN	
1	WELDER AND RIG	3.5 HRS. @ \$ 34 PER/HR. 119 00
	30' SINGLE AXLE FLOAT	
	40' TANDEM AXLE FLOAT	
	STEAMER W/OPERATOR	
	STEAMER W/O OPERATOR	
	1 TON TRUCK	
	TRACTOR	
	BACKHOE	
	BACKHOE OPERATOR	
	SUPERINTENDENT	
	CHAINSaws	
	<div> <p><u>Burton & Hawk's Farm out</u></p> <p><u>Charge Agard Ranch 20-01</u></p> <p><u>9604-80-163306004</u></p> <p><u>Used for Cut well Head off</u></p> <p><u>for P+A</u></p> <p>ent <input type="checkbox"/> Expense</p> <p><u>4/25/86</u></p> <p><u>OK [Signature]</u></p> </div>	
	SUBTOTAL	168 00
	TAX	
	EST. TOTAL CHARGES	
	LABORERS	

The charge for welding a surface cap on the well is itemized.

RECEIVED
MAR 16 1987

CREW FOREMAN: [Signature]

DIVISION OF
OIL, GAS & MINING

1380
21514 Seed

11-26.86

Burton & Hawks Farmout

Charge Agard Ranch 20-01
9604-80-163306004

Used for Cat vet Head off
for P & A

☐ Investment ☐ Expense

Date Delivered 11/25/36
Ch. Duffin

Approved _____

1320159383024

LABORERS

RECEIVED
MAR 16 1987

DIVISION OF OIL, GAS & MINING

THANK YOU

WIRELINE OF WYOMING

P.O. BOX 1899
EVANSTON, WYOMING 82930

A 016

rk. Operator _____
meyer
Hicks
Riggers Simpson
Legal Description _____

Charge to Amoco Production
Invoice Address _____
City _____
Lease and Well no. AAgard #1 20-01
Field WILCOAT County SUMMIT
State UTAH
Job No. _____

Invoice No. _____
Invoice Date _____
Customer's Order No. _____
Date Job Performed 11/18/86
Operating Base _____

CONDITIONS OF THIS CONTRACT

TO WIRELINE OF WYOMING

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In the event you employ an attorney to enforce any claims of indebtedness against the undersigned customer, said customer agrees to pay all costs of collection and reasonable attorney's fees which, in no event, shall be less than the sum of \$75.00.
The above described work shall be performed by you as an independent contractor. However, it is understood and agreed that you do not guarantee the results of your service and shall not be liable for injury to persons or to property of well owners and/or customers unless caused by your willful negligence. This provision applying, but not limited to, sub-surface damage and surface damage arising from a well blow-out, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of personal property damage arising from a well blowout, unless such loss or damage is caused by your willful negligence. The well owner or drilling company will pay for the actual cost of replacing or repairing the well service equipment or any part thereof, if same should be lost or damaged while being used in performing the work on the above described well.
Should any of your instruments, tools, or equipment be lost or destroyed in the rendition of your service, customer agrees to use all reasonable diligence and facilities available to recover the same, and customer agrees to reimburse you for the reasonable value of any instrument, tools, or other personal property that cannot be recovered within (60) days, or the cost of repairing any damage to items recovered.
Customer agrees that all depth measurements shall be made by it or its employees, and shall be supervised by customer or its employees.
Customer certifies that it is the owner of the well on which the work herein ordered is to be done or that it has the full right and authority to order such work done on such wells, and that the well in which the work is to be done by you is in proper and suitable condition for the performance of said work.
Customer further agrees that the terms and conditions herein set forth constitute the entire agreement and that no employee of your company is authorized to alter the terms hereof. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

Mr. Gaffith

Customer

Agent

PRODUCT CODE	DESCRIPTION	PRICE	AMOUNT
	<u>1 inch pump tubing 20x 60</u>		<u>1.90</u>
	<u>20 FT Surface Plug 6 20 SX</u>		<u>2.10</u>
	<u>AC # 02275 Ticket ATTACHED 22x</u>		<u>1.45</u>
	<u>(Burtens Hawk's Farmant)</u>		<u>10.45</u>
	<u>Charge Agard Ranch # 20-01</u>		
	<u>Used for P & A</u>		
	<input type="checkbox"/> Investment <input type="checkbox"/> Expense		
	<u>Date Delivered 11/18/86</u>		
	<u>Approved [Signature]</u>		

RECEIVED
MAR 16 1987

**DIVISION OF
OIL, GAS & MINING**

ACCOUNTING DEPARTMENT

REMARKS

PRICES SHOWN ARE ESTIMATES AND SUBJECT TO CHANGE BY A

INVOICE TOTAL	521.00	0
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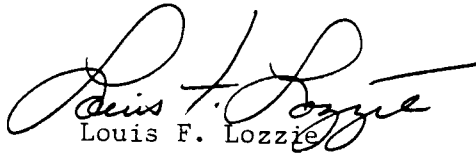
Amoco Production Company
PO Box 829
Evanston, Wyoming 82930

February 26, 1987

On November 25th and 26th of 1986, Amoco Production Company's employee, Craig Griffith, spent both days working on the Aagard Ranch 20-01 reclamation site. His amount of pay for those two days comes to a total of \$425.92.

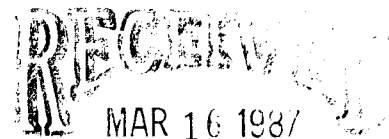
Walt Shaffer, another Amoco Production Company employee, spent one-half of November 25th working on the reclamation of the Aagard Ranch 20-01. His half day of time comes to a total of \$143.00.

The calculations of pay were done by taking the annualized salary of each employee and dividing it by 2087.20 hours. The hourly rate was taken times the daily amount, based on eight hours in a day.


Louis F. Lozzie
Personnel Supervisor

SRC

*Sent to R. M. McDonald -
Reviewed on 2-26-87
per Walt Shaffer.*


MAR 16 1987

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 13, 1987

Ms. Cheryl Simmons, Manager
The Hartford Accident and Indemnity Company,
Salt Lake City Claims Office
P.O. Box 270
Salt Lake City, Utah 84110

Dear Ms. Simmons:

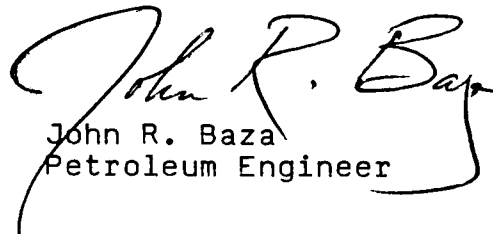
RE: Bond No. 4491975, Nutech Drilling Company, Inc.

In order to allow release of the referenced drilling bond to the Division of Oil, Gas and Mining, I am sending you copies of the invoices for the plugging and abandoning of the Aagard well #20-1 located in Section 20 of Township 3N, Range 8E, Summit County, Utah. The total cost for the work was \$24,162.12 and the work was performed in November 1986.

This letter represents a follow up both to your conversation with Carol Revelt of the Division on April 13, 1987, and to the Division's letter dated February 11, 1987, which filed a claim on the referenced bond. This information should be adequate to allow release of the bond amount of \$10,000 to the Division. As the invoices indicate, this represents only partial compensation for the plugging and abandoning of the well.

Thank you for your attention to this matter. Please contact Carol Revelt or me again if you have any further questions.

Sincerely,


John R. Baza
Petroleum Engineer

LCAR
Enclosures
cc: D. R. Nielson
R. J. Firth
Well file
0295T-74

RECEIVED
APR 17 1987

APR 14 1987

DIVISION OF
OIL, GAS & MINING



THE HARTFORD

April 14, 1987

Salt Lake City Office
515 South 700 East, Suite 3G
P. O. Box 270
Salt Lake City, Utah 84110
Telephone: (801) 363-5596

Barbara Roberts
Assistant Attorney General
124 State Capitol Bldg
Salt Lake City, UT 84114

Re: Insured: State of Utah National Resources
Claimant: Nutech Drilling Co
File #: 307 S 76337
Date of Loss: 122385

Dear Ms. Roberts:

This letter is being sent to you as a follow up to your telephone conversation with Ernest Schocklin of our office on April 7, 1987. In that telephone conversation you informed Mr. Schocklin that the work on the well in question has been completed and the cost was somewhere over \$20,000. We would appreciate it if you could send us all of the supporting documentation as soon as possible.

Your cooperation in these matters is greatly appreciated.

Sincerely,

Kalvin Miller
Kalvin Miller,
Claim Representative

KM/cjl

*RT -
This is the fellow
I spoke with on Nutech.
Have you sent the cost figures yet?
BWR*

MAY 15 1987



THE HARTFORD

ATTORNEY GENERAL'S OFFICE

May 13, 1987

Salt Lake City Office
515 South 700 East, Suite 3G
P. O. Box 270
Salt Lake City, Utah 84110
Telephone: (801) 363-5596

Barbara Roberts
Assistant Attorney General
124 State Capitol Building
Salt Lake City, UT 84114

Re: Insured: State of Utah Natural Resources
 Claim No.: 307 S 76337
 D/Loss: 12/23/85
 Claimant: Nutech Drilling Co.

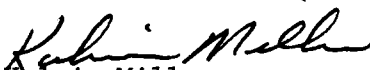
Dear Ms. Roberts:

I am sorry for the delay in getting this letter to you. I am enclosing a copy of the letter and documentation which I received from John Baza regarding the cost of plugging the Aagard well #20-1. I have reviewed the documentation, and I feel that we need a further breakdown of the costs. For the kind of money that we're talking, we would like to see exactly how and for what purposes our money is going to be spent on.

I would think that even the State of Utah would want a breakdown showing the material involved in the plugging operations as well as a complete breakdown of the man hours used to complete the work.

We don't want to be misconstrued as questioning the billing. We do, however, feel we must have a complete breakdown of the expenses before we can make a request for payment.

Sincerely,


Calvin Miller
Claims Representative

KM/lj

Enclosure

S. J. STAHR DIRT MOVERS, INC.

OIL FIELD CONSTRUCTION

RECEIVED
JUN 02 1987

AAGARD 20-01 RECLAIM
AMOCO PRODUCTION COMPANY

DIVISION OF
OIL, GAS & MINING

DATE	OPERATOR	EQUIPMENT	HRS.
11/10/86	John Hortin	Labor/fence removal	6 1/2
	Rex Crystal	14G Grader	1
11/11/86	Rod Brimhall	Labor/fence removal	3
	Russell Hortin	Labor/fence removal	3
	John Hortin	D9H Cat	9
	Rex Crystal	225 Trackhoe	9
11/12/86	Dewey Saxton	D6C Cat	9
	Phil Lefler	225 Trackhoe	9
	John Hortin	D9H Cat	8
	Rex Crystal	14G Grader	4
11/13/86	Phil Lefler	225 Trackhoe	9
	Rex Crystal	D6C Cat	9
11/14/86	Rex Crystal	D6C Cat	9
	John Hortin	D9H Cat	9
	Phil Lefler	225 Trackhoe	9
11/17/86	Rex Crystal	D9H Cat	9
	Phil Lefler	D6C Cat	9
11/18/86	Dewey Saxton	D6C Cat	9
	Rex Crystal	D9H Cat	9
11/20/86	Dewey Saxton	D6C Cat	9
	Rex Crystal	D9H Cat	9
11/21/86	Phil Lefler	225 Trackhoe	6
	Rex Crystal	D9H Cat	9
11/24/86	Phil Lefler	D7G Cat	6
	Rex Crystal	D9H Cat	6

TOTAL RECLAIM BID: \$21,000.00
INCLUDED RECLAMATION OF ROADWAY AND LOCATION SITE.

S. J. STAHR DIRT MOVERS, INC.

OIL FIELD CONSTRUCTION

May 29, 1987

RECEIVED
JUN 02 1987

**DIVISION OF
OIL, GAS & MINING**

Utah Division Oil Gas & Mining
355 West North Temple
3 Triad Center, Suite #350
Salt Lake City, Utah 84180-1203

Attention: Carol Reveit

Enclosed please find a daily break down of equipment and operators used on the reclamation of Aagard 20-01. This project was bid and completed for Amoco Production Company. With the completion date being November 24, 1986. Total bid price was \$21,000.00.

If any further information is necessary, please do not hesitate to call.

Very truly yours,

S.J. STAHR DIRT MOVERS, INC.


Connie L. Stahr

Enclosure

Itemized bill for surface
restoration/reclamation.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 19, 1987

Mr. Calvin Miller
Claims Representative
The Hartford Claims Office
P.O. Box 270
Salt Lake City, Utah 84110

Dear Mr. Miller:

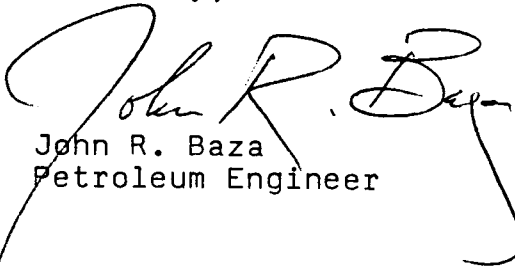
Re: State of Utah Natural Resources Claim No. 307 S 76337

In response to your letter of May 13, 1987, I am enclosing the additional information I was able to obtain regarding the costs for plugging and abandoning the Aagard 20-1 well in Summit County.

S.J. Stahr Dirt Movers, Inc., provided the Division with an itemization of their bill for \$21,000 based on man-machine hours incurred during rehabilitation of the location. Two of the companies, however, were unable to provide exact break downs of their labor costs because their charges were based on bids--not on specific hourly charges. If you should need a further break down of the costs other than what I have annotated on the invoices it may be necessary for you to contact these companies yourself.

I hope this information is sufficient to complete the processing of our claim.

Sincerely,



John R. Baza
Petroleum Engineer

CAR
Enclosures
cc: D. R. Nielson
R. J. Firth
✓ Well file
0295T-90

S. J. STAHR DIRT MOVERS, INC.

OIL FIELD CONSTRUCTION

September 1, 1987

RECEIVED
SEP. 3 1987
DIVISION OF OIL
GAS & MINING

Carol Revelt
Utah Division Oil Gas & Mining
355 West North Temple
3 Triad Center, Suite #350
Salt Lake City, Utah 84180-1203

Re: Aagard 20-01 Reclaim/Amoco Production Company

Dear Carol:

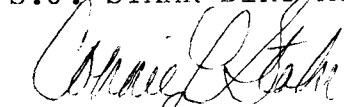
Enclosed please find a daily break down of equipment, hours, rates, and total equipment costs; on the Aagard 20-01 Reclaim. The total bid price, paid by Amoco Production Company was Twenty One Thousand Dollars and no cents, (21,000.00).

I hope this further breakdown, including hourly rates will be sufficient for filings.

If any further information is needed, please give me a call.

Very truly yours,

S.J. STAHR DIRT MOVERS, INC.



Connie W. Stahr, Secretary

Carol: I also sent a copy of this same letter to Calvin Miller w/The Hartford Insurance Agency.

S. J. STAHR DIRT MOVERS, INC.

OIL FIELD CONSTRUCTION

AAGARD 20-01 RECLAIM
AMOCO PRODUCTION COMPANY

DATE	EQUIPMENT	HRS.	RATE	TOTAL
11/10/86	Labor/fence removal	6 1/2	19.25	125.13
	14G Grader	1	78.00	78.00
11/11/86	Labor/fence removal	3	19.25	57.75
	Labor/fence removal	3	19.25	57.75
	D9H Cat	9	145.00	1305.00
	225 Trackhoe	9	95.00	855.00
11/12/86	D6C Cat	9	85.00	765.00
	225 Trackhoe	9	95.00	855.00
	D9H Cat	8	145.00	1160.00
	14G Grader	4	78.00	312.00
11/13/86	225 Trackhoe	9	95.00	855.00
	D6C Cat	9	85.00	765.00
11/14/86	D6C Cat	9	85.00	765.00
	D9H Cat	9	145.00	1305.00
	225 Trackhoe	9	95.00	855.00
11/17/86	D9H Cat	9	145.00	1305.00
	D6C Cat	9	85.00	765.00
11/18/86	D6C Cat	9	51.00	459.00
	D9H Cat	9	145.00	1305.00
11/20/86	D6C Cat	9	51.00	459.00
	D9H Cat	9	145.00	1305.00
11/21/86	225 Trackhoe	6	95.00	570.00
	D9H Cat	9	145.00	1305.00
11/24/86	D6C Cat	6	51.00	306.00
	D9H Cat	6	145.00	870.00

TOTAL HRLY COST: \$18,764.62

(TRANSPORT CHARGES, AND MATERIALS NOT INCLUDED IN
HOURLY CHARGES.)

TOTAL RECLAIM BID: \$21,000.00
INCLUDED RECLAMATION OF ROADWAY AND LOCATION SITE.
ALL COSTS PAID BY AMOCO PRODUCTION COMPANY



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 18, 1987

TO: Carl Roberts
FROM: John Baza *SRB*
RE: Bond Claim Check From The Hartford Insurance Company
Check # 09623747

With this memo, I am transferring custody of the referenced check to you. I have discussed this matter with Ron Firth and Dianne, and we intend that the check be used to pay Amoco for the reclamation work on the Aagard #20-1 well located in Section 20, T. 3N, R. 8E, Summit County. I will leave it to you as to whether this is accomplished by signing the check over to Amoco or by depositing the check and writing a State of Utah warrant to Amoco.

The details of this transaction may help you understand our purpose. Approximately eleven months ago in November 1986, Amoco plugged the referenced well. Nutech Exploration Company originally drilled the well in 1983 as a farmout from Amoco, and Nutech was bonded by the Hartford Insurance Company. When Nutech went bankrupt in 1986, the landowner went against the original lessee - Amoco. The Division decided to foreclose on the existing bond with the Hartford and to use the bond money to reimburse Amoco as partial compensation for the plugging and reclamation work.

After almost eight months of effort, the Hartford has provided us with a check in the amount of \$10,000 written to the State of Utah, Assistant Attorney General's Office. We will need an endorsement from Barbara Roberts to process the check, and she is aware of the situation.

The payment to Amoco should read as follows:

Amoco Production Company
Attn: Neal Spencer
P. O. Box 829
Evanston, Wyoming 82930

Whenever you act on this, please let me know. I will gladly write a transmittal letter to Amoco when necessary.

sb
0258T